GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 11:27:17 ; Search time 1891 Seconds
(without alignments)
494.840 Million cell updates/sec

Title: US-10-800-077-231
Perfect score: 20
Sequence: 1 atggaggcctcgctcagaaa 20

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 41078325 seqs, 23393541228 residues

Word size : 0

Total number of hits satisfying chosen parameters: 52094

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 45 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_est3:*
4: gb_htc:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_est7:*
9: gb_gss1:*
10: gb_gss2:*
11: gb_gss3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	10	50.0	17	1	AW247673	AW247673 2820207.5
c	2	10	50.0	17	8	CX002089	CX002089 iv44g10.g
c	3	10	50.0	27	8	CX001894	CX001894 iv43f08.g
	4	10	50.0	27	10	CZ906749	CZ906749 4011002G0
c	5	10	50.0	29	10	CG716634	CG716634 1119045H0
	6	9	45.0	15	8	CX004758	CX004758 iv30b03.b
c	7	9	45.0	15	8	CX004758	CX004758 iv30b03.b
	8	9	45.0	16	8	CX005886	CX005886 iv22g03.g
c	9	9	45.0	16	8	CX005886	CX005886 iv22g03.g
	10	9	45.0	16	10	AJ598276	AJ598276 Arabidops
	11	9	45.0	19	9	AZ655870	AZ655870 1M0531N06
	12	9	45.0	23	9	AZ608730	AZ608730 1M0433E07
c	13	9	45.0	23	11	TA151A11P	AL467311 T. brucei
	14	9	45.0	26	8	CX002529	CX002529 iv32c12.b
c	15	9	45.0	26	8	CX002529	CX002529 iv32c12.b
	16	9	45.0	26	9	AZ602086	AZ602086 1M0420K07
	17	9	45.0	26	11	TA305E07P	AL490640 T. brucei
	18	9	45.0	27	8	CX001294	CX001294 iv40c01.b
c	19	9	45.0	27	8	CX001294	CX001294 iv40c01.b
	20	9	45.0	27	8	CX001834	CX001834 iv43c11.b
c	21	9	45.0	27	8	CX001834	CX001834 iv43c11.b
	22	9	45.0	28	8	CX001634	CX001634 iv42b10.g
c	23	9	45.0	28	8	CX001634	CX001634 iv42b10.g
	24	9	45.0	29	8	CX001450	CX001450 iv41b04.b
c	25	9	45.0	29	8	CX001450	CX001450 iv41b04.b
	26	9	45.0	29	8	CX003163	CX003163 iv35h10.b
c	27	9	45.0	29	8	CX003163	CX003163 iv35h10.b
c	28	9	45.0	30	1	AW248317	AW248317 2820602.5
c	29	9	45.0	30	2	BE727670	BE727670 601564344
c	30	9	45.0	30	2	BE733471	BE733471 601568873
	31	9	45.0	30	3	BI821434	BI821434 603038315
	32	9	45.0	30	7	CO786831	CO786831 BL287B_H0
	33	9	45.0	30	8	CX002422	CX002422 iv31f12.b
c	34	9	45.0	30	8	CX002422	CX002422 iv31f12.b
	35	9	45.0	30	8	CX003425	CX003425 iv37d12.b
c	36	9	45.0	30	8	CX003425	CX003425 iv37d12.b
	37	9	45.0	30	8	DR907866	DR907866 CCSEN04F0
c	38	9	45.0	30	8	DR907866	DR907866 CCSEN04F0
	39	9	45.0	30	10	AG198773	AG198773 Pan trogl
c	40	8	40.0	14	5	BQ590450	BQ590450 E012839-0
c	41	8	40.0	14	8	DR064501	DR064501 ip82f04.g
	42	8	40.0	17	1	AW247673	AW247673 2820207.5
	43	8	40.0	17	8	CX002089	CX002089 iv44g10.g
c	44	8	40.0	18	10	CL983168	CL983168 GC0407 TI
c	45	8	40.0	19	1	AI597783	AI597783 tr92g04.x

ALIGNMENTS

RESULT 1
AW247673/c
LOCUS AW247673 17 bp mRNA linear EST 07-JAN-2000
DEFINITION 2820207.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820207 5', mRNA sequence.
ACCESSION AW247673
VERSION AW247673.1 GI:6590666
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 17)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Other_ESTs: 2820207.3prime
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing project Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality Scores: PHRED from University of Washington Genome Center. Vector Trimming: cross_match from University of Washington Genome Center PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley Drosophila Genome Project. University of Washington Genome Center: http://www.genome.washington.edu Low Quality Sequence: 0 contiguous PHRED high quality bases following vector sequence. Very Low Quality Sequence: Trace file contained 17 contiguous distinct peaks following vector sequence.
Plate: LLCM3 row: J column: 16.
FEATURES Location/Qualifiers
source 1. .17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2820207"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_7"

/note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."

ORIGIN

Query Match 50.0%; Score 10; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCG 12
||||||||||
Db 14 GGAGGCCTCG 5

RESULT 2
CX002089/c
LOCUS CX002089 17 bp mRNA linear EST 03-DEC-2004
DEFINITION iv44g10.g1 Left Cardiac Ventricle (DOGEST7) Canis familiaris cDNA, mRNA sequence.
ACCESSION CX002089
VERSION CX002089.1 GI:56273505
KEYWORDS EST.
SOURCE Canis familiaris (dog)
ORGANISM Canis familiaris
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae; Canis.
REFERENCE 1 (bases 1 to 17)
AUTHORS Balija,V.S., Nascimento,L.U. and McCombie,W.R.
TITLE ESTs from Canis familiaris left cardiac ventricle (dog)
JOURNAL Unpublished (2004)
COMMENT Contact: W. Richard McCombie
Lita Annenberg Hazen Genome Sequencing Center
Cold Spring Harbor Laboratory
PO Box 100, Cold Spring Harbor, NY 11724, USA
Tel: 516 367 8884
Fax: 516 367 8874
Email: mccombie@cshl.org.
FEATURES Location/Qualifiers
source 1. .17
/organism="Canis familiaris"
/mol_type="mRNA"
/db_xref="taxon:9615"
/sex="Unknown"
/tissue_type="Cardiac muscle"
/dev_stage="3 month old normal canine"
/lab_host="XL10 Gold"
/clone_lib="Left Cardiac Ventricle (DOGEST7)"
/note="Organ: Heart; Vector: pBluescript II SK; Site_1: EcoRI; Site_2: XhoI; Library constructed using pBluescript XR kit from Stratagene. Cloned cDNA was size selected between 1-3 kb. Tissue supplied by Mark Haskins VMD, PhD, Pathology and Medical Genetics, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104-6051"

ORIGIN

Query Match 50.0%; Score 10; DB 8; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCG 12
||||||||||
Db 13 GGAGGCCTCG 4

RESULT 3
CX001894/c
LOCUS CX001894 27 bp mRNA linear EST 03-DEC-2004
DEFINITION iv43f08.g1 Left Cardiac Ventricle (DOGEST7) Canis familiaris cDNA, mRNA sequence.
ACCESSION CX001894
VERSION CX001894.1 GI:56273310
KEYWORDS EST.
SOURCE Canis familiaris (dog)
ORGANISM Canis familiaris
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae; Canis.
REFERENCE 1 (bases 1 to 27)
AUTHORS Balija,V.S., Nascimento,L.U. and McCombie,W.R.
TITLE ESTs from Canis familiaris left cardiac ventricle (dog)
JOURNAL Unpublished (2004)
COMMENT Contact: W. Richard McCombie
Lita Annenberg Hazen Genome Sequencing Center
Cold Spring Harbor Laboratory
PO Box 100, Cold Spring Harbor, NY 11724, USA
Tel: 516 367 8884
Fax: 516 367 8874
Email: mccombie@cshl.org.
FEATURES Location/Qualifiers
source 1. .27
/organism="Canis familiaris"
/mol_type="mRNA"
/db_xref="taxon:9615"
/sex="Unknown"
/tissue_type="Cardiac muscle"
/dev_stage="3 month old normal canine"
/lab_host="XL10 Gold"
/clone_lib="Left Cardiac Ventricle (DOGEST7)"
/note="Organ: Heart; Vector: pBluescript II SK; Site_1: EcoRI; Site_2: XhoI; Library constructed using pBluescript XR kit from Stratagene. Cloned cDNA was size selected between 1-3 kb. Tissue supplied by Mark Haskins VMD, PhD, Pathology and Medical Genetics, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104-6051"

ORIGIN

Query Match 50.0%; Score 10; DB 8; Length 27;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCG 12
||||||||||
Db 13 GGAGGCCTCG 4

RESULT 4
CZ906749
LOCUS CZ906749 27 bp DNA linear GSS 08-AUG-2005
DEFINITION 4011002G05.1EL_y1 4011 - RescueMu Grid J Zea mays genomic, genomic survey sequence.
ACCESSION CZ906749
VERSION CZ906749.1 GI:71917513
KEYWORDS GSS.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.
REFERENCE 1 (bases 1 to 27)
AUTHORS Walbot,V.
TITLE Maize genomic sequences found using engineered RescueMu transposon
JOURNAL Unpublished (2001)
COMMENT Contact: Walbot V
Department of Biological Sciences
Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221

```
            Email: walbot@stanford.edu
            Very probable ligation site of ends cut by single endonuclease.
            Reverse complemented post-ligation sequence from source sequence.
            Plate: 4011002  row: G  column: 05
            Class: transposon-tagged.
FEATURES              Location/Qualifiers
     source           1. .27
                      /organism="Zea mays"
                      /mol_type="genomic DNA"
                      /cultivar="mixed background W23/A188/B73/K55"
                      /db_xref="taxon:4577"
                      /tissue_type="leaf"
                      /dev_stage="adult"
                      /lab_host="DH10B"
                      /clone_lib="4011 - RescueMu Grid J"
                      /note="Organ: leaf; Vector: RescueMu (engineered from
                      pBlueScript backbone); Site_1: BamHI; Site_2: BglII;
                      RescueMu is a 4.9 kb, modified maize Mu transposon
                      designed to allow plasmid rescue from total genomic DNA.
                      Mu elements insert preferentially into transcription
                      units. For more information on RescueMu, go to the web
                      site 'http://www.mutransposon.org/project/RescueMu/'. Grid
                      J was grown at UCSD in 2000. DNA was extracted from leaf
                      strips, double digested using BamHI and BglII, and ligated
                      to form circular plasmids. DH10B cells were transformed
                      and then screened on LB plates with ampicillin."
ORIGIN

  Query Match             50.0%;  Score 10;  DB 10;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+05;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         11 CGCTCAGAAA 20
              ||||||||||
Db          8 CGCTCAGAAA 17


RESULT 5
CG716634/c
LOCUS       CG716634                  29 bp    DNA     linear   GSS 20-OCT-2003
DEFINITION  1119045H09.2EL_x2 1119 - RescueMu Grid AA Zea mays genomic, genomic
            survey sequence.
ACCESSION   CG716634
VERSION     CG716634.1  GI:37745145
KEYWORDS    GSS.
SOURCE      Zea mays
  ORGANISM  Zea mays
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
            clade; Panicoideae; Andropogoneae; Zea.
REFERENCE   1  (bases 1 to 29)
  AUTHORS   Walbot,V.
  TITLE     Maize genomic sequences found using engineered RescueMu transposon
  JOURNAL   Unpublished (2001)
COMMENT     Contact: Walbot V
            Department of Biological Sciences
            Stanford University
            855 California Ave, Palo Alto, CA 94304, USA
            Tel: 650 723 2227
            Fax: 650 725 8221
            Email: walbot@stanford.edu
            Possible ligation site of ends cut by 2 different endonucleases.
            Reverse complemented post-ligation sequence from source sequence.
            Plate: 1119045  row: H  column: 09
            Class: transposon-tagged.
FEATURES              Location/Qualifiers
     source           1. .29
                      /organism="Zea mays"
                      /mol_type="genomic DNA"
                      /cultivar="mixed background W23/A188/B73/K55"
                      /db_xref="taxon:4577"
                      /tissue_type="leaf"
                      /dev_stage="adult"
                      /lab_host="DH10B"
                      /clone_lib="1119 - RescueMu Grid AA"
                      /note="Organ: leaf; Vector: RescueMu (engineered from
                      pBlueScript backbone); Site_1: BamHI; Site_2: BglII;
                      RescueMu is a 4.9 kb, modified maize Mu transposon
                      designed to allow plasmid rescue from total genomic DNA.
                      Mu elements insert preferentially into transcription
                      units. For more information on RescueMu, go to the web
                      site 'www.zmdb.iastate.edu' and follow the links for
                      'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA
                      was extracted from leaf strips, double digested using
                      BamHI and BglII, and ligated to form circular plasmids.
                      DH10B cells were transformed and then screened on LB
                      plates with ampicillin."
ORIGIN

  Query Match             50.0%;  Score 10;  DB 10;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+05;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 GCCTCGCTCA 16
              ||||||||||
Db         20 GCCTCGCTCA 11


RESULT 6
CX004758
LOCUS       CX004758                  15 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv30b03.b1 Brain - Cerebellum Library (DOGEST8) Canis familiaris
            cDNA, mRNA sequence.
ACCESSION   CX004758
VERSION     CX004758.1  GI:56276174
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Balija,V., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris cerebellum (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES              Location/Qualifiers
     source           1. .15
                      /organism="Canis familiaris"
                      /mol_type="mRNA"
                      /db_xref="taxon:9615"
                      /sex="Unknown"
                      /tissue_type="Cerebellum"
                      /dev_stage="3 month old normal canine"
                      /lab_host="XL10 Gold"
                      /clone_lib="Brain - Cerebellum Library (DOGEST8)"
                      /note="Organ: Brain; Vector: pBluescript II SK; Site_1:
                      EcoRI; Site_2: XhoI; Library constructed using pBluescript
                      XR kit from Stratagene. Cloned cDNA was size selected
                      between 1-3 kb. Mark Haskins VMD, PhD, Pathology and
                      Medical Genetics, School of Veterinary Medicine,
                      University of Pennsylvania, 3800 Spruce Street,
                      Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
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              |||||||||
Db          4 GAGGCCTCG 12


RESULT 7
CX004758/c
LOCUS       CX004758                 15 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv30b03.b1 Brain - Cerebellum Library (DOGEST8) Canis familiaris
            cDNA, mRNA sequence.
ACCESSION   CX004758
VERSION     CX004758.1  GI:56276174
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Balija,V., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris cerebellum (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="Canis familiaris"
                     /mol_type="mRNA"
                     /db_xref="taxon:9615"
                     /sex="Unknown"
                     /tissue_type="Cerebellum"
                     /dev_stage="3 month old normal canine"
                     /lab_host="XL10 Gold"
                     /clone_lib="Brain - Cerebellum Library (DOGEST8)"
                     /note="Organ: Brain; Vector: pBluescript II SK; Site_1:
                     EcoRI; Site_2: XhoI; Library constructed using pBluescript
                     XR kit from Stratagene. Cloned cDNA was size selected
                     between 1-3 kb. Mark Haskins VMD, PhD, Pathology and
                     Medical Genetics, School of Veterinary Medicine,
                     University of Pennsylvania, 3800 Spruce Street,
                     Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
              |||||||||
Db         11 GAGGCCTCG 3


RESULT 8
CX005886
LOCUS       CX005886                 16 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv22g03.g1 Brain - Cerebellum Library (DOGEST8) Canis familiaris
            cDNA, mRNA sequence.
ACCESSION   CX005886
VERSION     CX005886.1  GI:56277302
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Balija,V., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris cerebellum (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Canis familiaris"
                     /mol_type="mRNA"
                     /db_xref="taxon:9615"
                     /sex="Unknown"
                     /tissue_type="Cerebellum"
                     /dev_stage="3 month old normal canine"
                     /lab_host="XL10 Gold"
                     /clone_lib="Brain - Cerebellum Library (DOGEST8)"
                     /note="Organ: Brain; Vector: pBluescript II SK; Site_1:
                     EcoRI; Site_2: XhoI; Library constructed using pBluescript
                     XR kit from Stratagene. Cloned cDNA was size selected
                     between 1-3 kb. Mark Haskins VMD, PhD, Pathology and
                     Medical Genetics, School of Veterinary Medicine,
                     University of Pennsylvania, 3800 Spruce Street,
                     Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
              |||||||||
Db          5 GAGGCCTCG 13


RESULT 9
CX005886/c
LOCUS       CX005886                 16 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv22g03.g1 Brain - Cerebellum Library (DOGEST8) Canis familiaris
            cDNA, mRNA sequence.
ACCESSION   CX005886
VERSION     CX005886.1  GI:56277302
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Balija,V., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris cerebellum (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Canis familiaris"
                     /mol_type="mRNA"
                     /db_xref="taxon:9615"
                     /sex="Unknown"
                     /tissue_type="Cerebellum"
                     /dev_stage="3 month old normal canine"
                     /lab_host="XL10 Gold"
                     /clone_lib="Brain - Cerebellum Library (DOGEST8)"
                     /note="Organ: Brain; Vector: pBluescript II SK; Site_1:
                     EcoRI; Site_2: XhoI; Library constructed using pBluescript
                     XR kit from Stratagene. Cloned cDNA was size selected
                     between 1-3 kb. Mark Haskins VMD, PhD, Pathology and
```

```
                    Medical Genetics, School of Veterinary Medicine,
                    University of Pennsylvania, 3800 Spruce Street,
                    Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
              |||||||||
Db         12 GAGGCCTCG 4


RESULT 10
AJ598276
LOCUS       AJ598276                  16 bp    DNA     linear   GSS 15-JAN-2004
DEFINITION  Arabidopsis thaliana T-DNA flanking sequence, left border, clone
            465B07, genomic survey sequence.
ACCESSION   AJ598276
VERSION     AJ598276.1  GI:37947904
KEYWORDS    GSS; left border; T-DNA flanking sequence.
SOURCE      Arabidopsis thaliana (thale cress)
  ORGANISM  Arabidopsis thaliana
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
            rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE   1
  AUTHORS   Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
            Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
            Lepiniec,L., Caboche,M. and Lecharny,A.
  TITLE     T-DNA integration into the Arabidopsis genome depends on sequences
            of pre-insertion sites
  JOURNAL   EMBO Rep. 3 (12), 1152-1157 (2002)
   PUBMED   12446565
REFERENCE   2  (bases 1 to 16)
  AUTHORS   Balzergue,S.
  TITLE     Direct Submission
  JOURNAL   Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue
            Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT     PCR was performed on DNA from transformants of Arabidopsis thaliana
            plants from INRA (Versailles). The DNA fragment(s) resulting from
            the PCR were directly sequenced from the left or the right border
            to determine the genomic sequence flanking the insertion. T-DNA
            derived sequences were removed. Information to order the
            corresponding mutant line and a link to a database providing a
            graphical display of the insertion site are available at
            http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
            been generated in the framework of the French plant genomics
            program 'Genoplante' (http://www.genoplante.com and
            http://genoplante-info.infobiogen.fr).
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Arabidopsis thaliana"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:3702"
                     /clone="465B07"
                     /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
                     /ecotype="Wassilewskija"
     misc_feature    1. .16
                     /note="T-DNA flanking sequence
                     left border"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 10;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGC 13
              |||||||||
Db          1 AGGCCTCGC 9


RESULT 11
AZ655870
LOCUS       AZ655870                  19 bp    DNA     linear   GSS 14-DEC-2000
DEFINITION  1M0531N06F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0531N06 F, genomic survey sequence.
ACCESSION   AZ655870
VERSION     AZ655870.1  GI:11793016
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0531  row: N  column: 06
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0531N06"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             45.0%;  Score 9;  DB 9;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         10 TCGCTCAGA 18
              |||||||||
Db          7 TCGCTCAGA 15
```

```
RESULT 12
AZ608730
LOCUS       AZ608730                 23 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0433E07F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0433E07 F, genomic survey sequence.
ACCESSION   AZ608730
VERSION     AZ608730.1  GI:11730920
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0433  row: E  column: 07
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 23.
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0433E07"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             45.0%;  Score 9;  DB 9;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 GGCCTCGCT 14
              |||||||||
Db         14 GGCCTCGCT 22
```

```
RESULT 13
TA151A11P/c
LOCUS       TA151A11P                23 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  T. brucei sheared genomic DNA clone 151a11, forward sequence,
            genomic survey sequence.
ACCESSION   AL467311
VERSION     AL467311.1  GI:11837215
KEYWORDS    GSS.
SOURCE      Trypanosoma brucei
  ORGANISM  Trypanosoma brucei
            Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
            Trypanosoma.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
            Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
            Melville,S.E., Rajandream,M.A. and Barrell,B.G.
  TITLE     Direct Submission
  JOURNAL   Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
            project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
            Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
            nh1@sanger.ac.uk
COMMENT     Constructed at the Institute for Genomic Research (TIGR),
            Rockville, MD. Genomic DNA isolated from a cloned population of
            Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
            to give a tight size distribution (
            4 kb).  The v + i method used for the library construction is
            described in detail in Smith, H. and Venter, J.C. (Making small
            insert libraries for whole genome shotgun sequencing projects.  In
            Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
            Barrell, Oxford University Press, 1999).
            Email: nelsayed@tigr.org
            Details of T. brucei sequencing at the Sanger Centre are available
            at http://www.sanger.ac.uk/Projects/T_brucei/.
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU927"
                     /db_xref="taxon:5691"
                     /clone="151a11"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 11;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         10 TCGCTCAGA 18
              |||||||||
Db         19 TCGCTCAGA 11
```

```
RESULT 14
CX002529
LOCUS       CX002529                 26 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv32c12.b1 Left Cardiac Ventricle (DOGEST7) Canis familiaris cDNA,
            mRNA sequence.
ACCESSION   CX002529
VERSION     CX002529.1  GI:56273945
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 26)
  AUTHORS   Balija,V.S., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris left cardiac ventricle (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
```

```
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES              Location/Qualifiers
     source           1. .26
                      /organism="Canis familiaris"
                      /mol_type="mRNA"
                      /db_xref="taxon:9615"
                      /sex="Unknown"
                      /tissue_type="Cardiac muscle"
                      /dev_stage="3 month old normal canine"
                      /lab_host="XL10 Gold"
                      /clone_lib="Left Cardiac Ventricle (DOGEST7)"
                      /note="Organ: Heart; Vector: pBluescript II SK; Site_1:
                      EcoRI; Site_2: XhoI; Library constructed using pBluescript
                      XR kit from Stratagene. Cloned cDNA was size selected
                      between 1-3 kb. Tissue supplied by Mark Haskins VMD, PhD,
                      Pathology and Medical Genetics, School of Veterinary
                      Medicine, University of Pennsylvania, 3800 Spruce Street,
                      Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
              |||||||||
Db         15 GAGGCCTCG 23


RESULT 15
CX002529/c
LOCUS       CX002529                 26 bp    mRNA    linear   EST 03-DEC-2004
DEFINITION  iv32c12.b1 Left Cardiac Ventricle (DOGEST7) Canis familiaris cDNA,
            mRNA sequence.
ACCESSION   CX002529
VERSION     CX002529.1  GI:56273945
KEYWORDS    EST.
SOURCE      Canis familiaris (dog)
  ORGANISM  Canis familiaris
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
            Canis.
REFERENCE   1  (bases 1 to 26)
  AUTHORS   Balija,V.S., Nascimento,L.U. and McCombie,W.R.
  TITLE     ESTs from Canis familiaris left cardiac ventricle (dog)
  JOURNAL   Unpublished (2004)
COMMENT     Contact: W. Richard McCombie
            Lita Annenberg Hazen Genome Sequencing Center
            Cold Spring Harbor Laboratory
            PO Box 100, Cold Spring Harbor, NY 11724, USA
            Tel: 516 367 8884
            Fax: 516 367 8874
            Email: mccombie@cshl.org.
FEATURES              Location/Qualifiers
     source           1. .26
                      /organism="Canis familiaris"
                      /mol_type="mRNA"
                      /db_xref="taxon:9615"
                      /sex="Unknown"
                      /tissue_type="Cardiac muscle"
                      /dev_stage="3 month old normal canine"
                      /lab_host="XL10 Gold"
                      /clone_lib="Left Cardiac Ventricle (DOGEST7)"
                      /note="Organ: Heart; Vector: pBluescript II SK; Site_1:
                      EcoRI; Site_2: XhoI; Library constructed using pBluescript
                      XR kit from Stratagene. Cloned cDNA was size selected
                      between 1-3 kb. Tissue supplied by Mark Haskins VMD, PhD,
                      Pathology and Medical Genetics, School of Veterinary
                      Medicine, University of Pennsylvania, 3800 Spruce Street,
                      Philadelphia, PA 19104-6051"
ORIGIN

  Query Match             45.0%;  Score 9;  DB 8;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+06;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCG 12
              |||||||||
Db         22 GAGGCCTCG 14


Search completed: March 22, 2006, 12:57:06
Job time : 1894 secs
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 11:02:34 ; Search time 469 Seconds
(without alignments)
284.209 Million cell updates/sec

Title: US-10-800-077-231
Perfect score: 20
Sequence: 1 atggaggcctcgctcagaaa 20

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 4996997 seqs, 3332346308 residues

Word size : 0

Total number of hits satisfying chosen parameters: 4138570

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 45 summaries

Database : N_Geneseq_21:*
1: geneseqn1980s:*
2: geneseqn1990s:*
3: geneseqn2000s:*
4: geneseqn2001as:*
5: geneseqn2001bs:*
6: geneseqn2002as:*
7: geneseqn2002bs:*
8: geneseqn2003as:*
9: geneseqn2003bs:*
10: geneseqn2003cs:*
11: geneseqn2003ds:*
12: geneseqn2004as:*
13: geneseqn2004bs:*
14: geneseqn2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	20	100.0	20	13	ADR86727	Adr86727 Human eph
	2	20	100.0	20	13	ADR86753	Adr86753 Human eph
	3	20	100.0	20	13	ADR86933	Adr86933 Human eph
	4	20	100.0	20	13	ADR82318	Adr82318 Human Eph
	5	20	100.0	20	13	ADR82293	Adr82293 Human Eph
	6	20	100.0	20	13	ADR82488	Adr82488 Human Eph
	7	18	90.0	20	13	ADR86823	Adr86823 Human eph
	8	18	90.0	20	13	ADR82378	Adr82378 Human Eph
	9	13	65.0	16	2	AAV21315	Aav21315 Antisense
c	10	13	65.0	16	2	AAV21314	Aav21314 Immunoglo
c	11	13	65.0	21	13	ADQ92609	Adq92609 Androgen
	12	12	60.0	15	2	AAX75693	Aax75693 Human flt
	13	12	60.0	17	2	AAX69359	Aax69359 Human flt
	14	12	60.0	17	11	AEB58330	Aeb58330 Human VEG
	15	12	60.0	19	8	ABQ83968	Abq83968 Lampanyct
	16	12	60.0	19	10	ADH60350	Adh60350 L. regali
	17	12	60.0	19	10	ADH60319	Adh60319 L. regali
	18	12	60.0	19	14	AEA61705	Aea61705 Lampanyct
	19	12	60.0	20	3	AAZ89601	Aaz89601 Bovine ER
	20	12	60.0	20	9	ABT44413	Abt44413 Chimeric
	21	12	60.0	20	9	ABT44412	Abt44412 Chimeric
c	22	12	60.0	20	12	ADH58754	Adh58754 Human CDC
	23	12	60.0	20	12	ADH58818	Adh58818 Human CDC
c	24	12	60.0	21	2	AAT88408	Aat88408 Human oes
c	25	12	60.0	21	4	AAF97030	Aaf97030 Human gen
c	26	12	60.0	21	6	AAI72149	Aai72149 ER-beta L
	27	12	60.0	21	12	ADJ97707	Adj97707 Human Flt
	28	12	60.0	21	12	ADJ97709	Adj97709 Human Flt
	29	12	60.0	21	12	ADJ97710	Adj97710 Human Flt
	30	12	60.0	21	12	ADJ97708	Adj97708 Human Flt
c	31	12	60.0	21	13	ADQ92608	Adq92608 Androgen
	32	12	60.0	21	13	ADQ92610	Adq92610 Androgen
c	33	12	60.0	24	2	AAV53717	Aav53717 Nucleotid
	34	11	55.0	15	2	AAX31276	Aax31276 Tag seque
c	35	11	55.0	15	4	AAS06926	Aas06926 Oligomer
	36	11	55.0	15	6	ABK32230	Abk32230 Human col
	37	11	55.0	17	11	AEB58329	Aeb58329 Human VEG
	38	11	55.0	18	2	AAT59896	Aat59896 Primer JL
	39	11	55.0	19	2	AAX58614	Aax58614 Human APE
c	40	11	55.0	19	3	AAA84978	Aaa84978 Cyclin G1
c	41	11	55.0	19	5	AAH60140	Aah60140 Cyclin G1
c	42	11	55.0	19	12	ADL15493	Adl15493 PCR prime
	43	11	55.0	19	14	ADZ81250	Adz81250 Human chr
	44	11	55.0	20	2	AAX10188	Aax10188 Human bia
c	45	11	55.0	20	2	AAV08606	Aav08606 Primer AC

ALIGNMENTS

RESULT 1
ADR86727
ID ADR86727 standard; DNA; 20 BP.
XX
AC ADR86727;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human ephrin B4 antisense oligonucleotide seqid 32.
XX
KW cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW dermatological; ophthalmological; gene therapy; EphB4; Ephrin B2;
KW pharmaceutical; cosmetic; diagnostic; Ephrin B2/EphB4 pathway; tumour;
KW angiogenesis-associated disease; inflammatory disorder;
KW chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW scleroderma; human; ephrin B4; antisense technology;
KW antisense oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN WO2004080425-A2.
XX
PD 23-SEP-2004.
XX
PF 12-MAR-2004; 2004WO-US007755.
XX
PR 12-MAR-2003; 2003US-0454300P.
PR 12-MAR-2003; 2003US-0454432P.
XX
PA (VASG-) VASGENE THERAPEUTICS INC.
XX
PI Krasnoperov V, Zozulya S, Keretesz N, Reddy R, Gill P;
XX
DR WPI; 2004-668883/65.
XX
PT New soluble polypeptides comprising an extracellular domain of EphB4 or
PT Ephrin B2 protein for diagnosing or treating cancer or angiogenesis-
PT associated diseases, such as inflammatory disorders, psoriasis or
PT scleroderma.
XX
PS Example 3; Page 62; 198pp; English.
XX

CC The invention describes an isolated soluble polypeptide comprising an
CC amino acid sequence of an extracellular domain of an EphB4 or Ephrin B2
CC protein. The EphB4 or Ephrin B2 polypeptide is a monomer, the EphB4
CC polypeptide binds specifically to the Ephrin B2 polypeptide, and the
CC Ephrin B2 polypeptide binds specifically to the EphB4 polypeptide. Also
CC described are: an antagonist antibody that binds to an extracellular
CC domain of the EphB4 or Ephrin B2 protein and inhibits an activity of the
CC EphB4 or Ephrin B2; a pharmaceutical or cosmetic composition, or a
CC diagnostic kit, comprising the above soluble polypeptide or antagonist
CC antibody, and a pharmaceutical carrier; methods of inhibiting
CC angiogenesis or inhibiting signaling through Ephrin B2/EphB4 pathway in a
CC cell; a method of reducing the growth rate of a tumour; methods for
CC treating a patient suffering from a cancer or an angiogenesis-associated
CC disease; and a method for identifying a tumor that is suitable for
CC treatment with an EphrinB2 or EphB4 antagonist. The polypeptide or
CC antibody is useful for manufacturing a medicament for the treatment of
CC cancer or an angiogenesis-associated disease. The composition and methods
CC are useful for diagnosing or treating cancer or angiogenesis-associated
CC diseases, such as inflammatory disorders, chronic articular rheumatism,
CC psoriasis, ocular angiogenic diseases or scleroderma. This sequence
CC represents a human ephrin B4 antisense oligonucleotide that can be used
CC to control EphB4 expression.
XX
SQ Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 100.0%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGAGGCCTCGCTCAGAAA 20
||||||||||||||||||||
Db 1 ATGGAGGCCTCGCTCAGAAA 20

RESULT 2
ADR86753
ID ADR86753 standard; DNA; 20 BP.
XX
AC ADR86753;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human ephrin B4 antisense oligonucleotide seqid 58.
XX
KW cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW dermatological; ophthalmological; gene therapy; EphB4; Ephrin B2;
KW pharmaceutical; cosmetic; diagnostic; Ephrin B2/EphB4 pathway; tumour;
KW angiogenesis-associated disease; inflammatory disorder;
KW chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW scleroderma; human; ephrin B4; antisense technology;
KW antisense oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN WO2004080425-A2.
XX
PD 23-SEP-2004.
XX
PF 12-MAR-2004; 2004WO-US007755.
XX
PR 12-MAR-2003; 2003US-0454300P.
PR 12-MAR-2003; 2003US-0454432P.
XX
PA (VASG-) VASGENE THERAPEUTICS INC.
XX
PI Krasnoperov V, Zozulya S, Keretesz N, Reddy R, Gill P;
XX
DR WPI; 2004-668883/65.
XX
PT New soluble polypeptides comprising an extracellular domain of EphB4 or
PT Ephrin B2 protein for diagnosing or treating cancer or angiogenesis-
PT associated diseases, such as inflammatory disorders, psoriasis or
PT scleroderma.
XX
PS Example 5; Page 79; 198pp; English.
XX
CC The invention describes an isolated soluble polypeptide comprising an
CC amino acid sequence of an extracellular domain of an EphB4 or Ephrin B2
CC protein. The EphB4 or Ephrin B2 polypeptide is a monomer, the EphB4
CC polypeptide binds specifically to the Ephrin B2 polypeptide, and the
CC Ephrin B2 polypeptide binds specifically to the EphB4 polypeptide. Also
CC described are: an antagonist antibody that binds to an extracellular
CC domain of the EphB4 or Ephrin B2 protein and inhibits an activity of the
CC EphB4 or Ephrin B2; a pharmaceutical or cosmetic composition, or a
CC diagnostic kit, comprising the above soluble polypeptide or antagonist
CC antibody, and a pharmaceutical carrier; methods of inhibiting
CC angiogenesis or inhibiting signaling through Ephrin B2/EphB4 pathway in a
CC cell; a method of reducing the growth rate of a tumour; methods for
CC treating a patient suffering from a cancer or an angiogenesis-associated
CC disease; and a method for identifying a tumor that is suitable for
CC treatment with an EphrinB2 or EphB4 antagonist. The polypeptide or
CC antibody is useful for manufacturing a medicament for the treatment of
CC cancer or an angiogenesis-associated disease. The composition and methods
CC are useful for diagnosing or treating cancer or angiogenesis-associated
CC diseases, such as inflammatory disorders, chronic articular rheumatism,
CC psoriasis, ocular angiogenic diseases or scleroderma. This sequence
CC represents a human ephrin B4 antisense oligonucleotide that can be used
CC to control EphB4 expression.
XX
SQ Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 100.0%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGAGGCCTCGCTCAGAAA 20
||||||||||||||||||||
Db 1 ATGGAGGCCTCGCTCAGAAA 20

RESULT 3
ADR86933
ID ADR86933 standard; DNA; 20 BP.
XX
AC ADR86933;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human ephrin B4 antisense oligonucleotide seqid 238.
XX
KW cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW dermatological; ophthalmological; gene therapy; EphB4; Ephrin B2;
KW pharmaceutical; cosmetic; diagnostic; Ephrin B2/EphB4 pathway; tumour;
KW angiogenesis-associated disease; inflammatory disorder;
KW chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW scleroderma; human; ephrin B4; antisense technology;
KW antisense oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN WO2004080425-A2.
XX
PD 23-SEP-2004.
XX
PF 12-MAR-2004; 2004WO-US007755.
XX
PR 12-MAR-2003; 2003US-0454300P.
PR 12-MAR-2003; 2003US-0454432P.
XX
PA (VASG-) VASGENE THERAPEUTICS INC.
XX
PI Krasnoperov V, Zozulya S, Keretesz N, Reddy R, Gill P;
XX
DR WPI; 2004-668883/65.
XX
PT New soluble polypeptides comprising an extracellular domain of EphB4 or

PT Ephrin B2 protein for diagnosing or treating cancer or angiogenesis-
PT associated diseases, such as inflammatory disorders, psoriasis or
PT scleroderma.
XX
PS Example 8; Page 94; 198pp; English.
XX
CC The invention describes an isolated soluble polypeptide comprising an
CC amino acid sequence of an extracellular domain of an EphB4 or Ephrin B2
CC protein. The EphB4 or Ephrin B2 polypeptide is a monomer, the EphB4
CC polypeptide binds specifically to the Ephrin B2 polypeptide, and the
CC Ephrin B2 polypeptide binds specifically to the EphB4 polypeptide. Also
CC described are: an antagonist antibody that binds to an extracellular
CC domain of the EphB4 or Ephrin B2 protein and inhibits an activity of the
CC EphB4 or Ephrin B2; a pharmaceutical or cosmetic composition, or a
CC diagnostic kit, comprising the above soluble polypeptide or antagonist
CC antibody, and a pharmaceutical carrier; methods of inhibiting
CC angiogenesis or inhibiting signaling through Ephrin B2/EphB4 pathway in a
CC cell; a method of reducing the growth rate of a tumour; methods for
CC treating a patient suffering from a cancer or an angiogenesis-associated
CC disease; and a method for identifying a tumor that is suitable for
CC treatment with an EphrinB2 or EphB4 antagonist. The polypeptide or
CC antibody is useful for manufacturing a medicament for the treatment of
CC cancer or an angiogenesis-associated disease. The composition and methods
CC are useful for diagnosing or treating cancer or angiogenesis-associated
CC diseases, such as inflammatory disorders, chronic articular rheumatism,
CC psoriasis, ocular angiogenic diseases or scleroderma. This sequence
CC represents a human ephrin B4 antisense oligonucleotide that can be used
CC to control EphB4 expression.
XX
SQ Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

```
  Query Match             100.0%;  Score 20;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.05;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20
```

RESULT 4
ADR82318
ID ADR82318 standard; DNA; 20 BP.
XX
AC ADR82318;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human EphB4 antisense ODN #12.
XX
KW human; ss; antisense; EphB4; EphrinB2; cancer;
KW angiogenesis-associated disease; inflammatory disorder;
KW chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW scleroderma; cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW dermatological; ophthalmological; angiogenesis inhibitor.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN WO2004080418-A2.
XX
PD 23-SEP-2004.
XX
PF 12-MAR-2004; 2004WO-US007491.
XX
PR 12-MAR-2003; 2003US-0454300P.
PR 12-MAR-2003; 2003US-0454432P.
XX
PA (VASG-) VASGENE THERAPEUTICS INC.
XX
PI Reddy R, Gill P;
XX
DR WPI; 2004-668879/65.
XX
PT New isolated nucleic acid compounds that hybridize to EphB4 or EphrinB2
PT transcripts or decrease the expression of EphB4 or EphrinB2 in cells,
PT useful for diagnosing or treating cancer or angiogenesis-associated
PT diseases.
XX
PS Example 5; Page 85; 206pp; English.
XX
CC The invention relates to an isolated nucleic acid compound comprising at
CC least a portion that hybridises to an EphB4 or EphrinB2 transcript under
CC physiological conditions and decreases the expression of EphB4 or
CC EphrinB2 in a cell. The nucleic acid is useful for manufacturing a
CC medicament for the treatment of cancer or angiogenesis-associated
CC diseases. The composition and methods are useful for diagnosing or
CC treating cancer or angiogenesis-associated diseases, such as inflammatory
CC disorders, chronic articular rheumatism, psoriasis, ocular angiogenic
CC diseases or scleroderma. The present sequence represents a human EphB4
CC antisense oligodeoxynucleotide (ODN).
XX
SQ Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

```
  Query Match             100.0%;  Score 20;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.05;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20
```

RESULT 5
ADR82293
ID ADR82293 standard; DNA; 20 BP.
XX
AC ADR82293;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human EphB4 antisense ODN #2.
XX
KW human; ss; antisense; EphB4; EphrinB2; cancer;
KW angiogenesis-associated disease; inflammatory disorder;
KW chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW scleroderma; cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW dermatological; ophthalmological; angiogenesis inhibitor.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN WO2004080418-A2.
XX
PD 23-SEP-2004.
XX
PF 12-MAR-2004; 2004WO-US007491.
XX
PR 12-MAR-2003; 2003US-0454300P.
PR 12-MAR-2003; 2003US-0454432P.
XX
PA (VASG-) VASGENE THERAPEUTICS INC.
XX
PI Reddy R, Gill P;
XX
DR WPI; 2004-668879/65.
XX
PT New isolated nucleic acid compounds that hybridize to EphB4 or EphrinB2
PT transcripts or decrease the expression of EphB4 or EphrinB2 in cells,
PT useful for diagnosing or treating cancer or angiogenesis-associated
PT diseases.
XX
PS Example 3; Page 68; 206pp; English.
XX
CC The invention relates to an isolated nucleic acid compound comprising at
CC least a portion that hybridises to an EphB4 or EphrinB2 transcript under

```
CC   physiological conditions and decreases the expression of EphB4 or
CC   EphrinB2 in a cell. The nucleic acid is useful for manufacturing a
CC   medicament for the treatment of cancer or angiogenesis-associated
CC   diseases. The composition and methods are useful for diagnosing or
CC   treating cancer or angiogenesis-associated diseases, such as inflammatory
CC   disorders, chronic articular rheumatism, psoriasis, ocular angiogenic
CC   diseases or scleroderma. The present sequence represents a human EphB4
CC   antisense oligodeoxynucleotide (ODN).
XX
SQ   Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 20;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.05;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 6
ADR82488
ID   ADR82488 standard; DNA; 20 BP.
XX
AC   ADR82488;
XX
DT   16-DEC-2004  (first entry)
XX
DE   Human EphB4 antisense probe #159.
XX
KW   human; ss; antisense; EphB4; EphrinB2; cancer;
KW   angiogenesis-associated disease; inflammatory disorder;
KW   chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW   scleroderma; cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW   dermatological; ophthalmological; angiogenesis inhibitor; probe.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO2004080418-A2.
XX
PD   23-SEP-2004.
XX
PF   12-MAR-2004; 2004WO-US007491.
XX
PR   12-MAR-2003; 2003US-0454300P.
PR   12-MAR-2003; 2003US-0454432P.
XX
PA   (VASG-) VASGENE THERAPEUTICS INC.
XX
PI   Reddy R,  Gill P;
XX
DR   WPI; 2004-668879/65.
XX
PT   New isolated nucleic acid compounds that hybridize to EphB4 or EphrinB2
PT   transcripts or decrease the expression of EphB4 or EphrinB2 in cells,
PT   useful for diagnosing or treating cancer or angiogenesis-associated
PT   diseases.
XX
PS   Example 8; Page 101; 206pp; English.
XX
CC   The invention relates to an isolated nucleic acid compound comprising at
CC   least a portion that hybridises to an EphB4 or EphrinB2 transcript under
CC   physiological conditions and decreases the expression of EphB4 or
CC   EphrinB2 in a cell. The nucleic acid is useful for manufacturing a
CC   medicament for the treatment of cancer or angiogenesis-associated
CC   diseases. The composition and methods are useful for diagnosing or
CC   treating cancer or angiogenesis-associated diseases, such as inflammatory
CC   disorders, chronic articular rheumatism, psoriasis, ocular angiogenic
CC   diseases or scleroderma. The present sequence represents a human EphB4
CC   antisense probe.
XX
SQ   Sequence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 20;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.05;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 7
ADR86823
ID   ADR86823 standard; DNA; 20 BP.
XX
AC   ADR86823;
XX
DT   16-DEC-2004  (first entry)
XX
DE   Human ephrin B4 antisense oligonucleotide seqid 128.
XX
KW   cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW   dermatological; ophthalmological; gene therapy; EphB4; Ephrin B2;
KW   pharmaceutical; cosmetic; diagnostic; Ephrin B2/EphB4 pathway; tumour;
KW   angiogenesis-associated disease; inflammatory disorder;
KW   chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW   scleroderma; human; ephrin B4; antisense technology;
KW   antisense oligonucleotide; ss.
XX
OS   Homo sapiens.
XX
PN   WO2004080425-A2.
XX
PD   23-SEP-2004.
XX
PF   12-MAR-2004; 2004WO-US007755.
XX
PR   12-MAR-2003; 2003US-0454300P.
PR   12-MAR-2003; 2003US-0454432P.
XX
PA   (VASG-) VASGENE THERAPEUTICS INC.
XX
PI   Krasnoperov V,  Zozulya S,  Keretesz N,  Reddy R,  Gill P;
XX
DR   WPI; 2004-668883/65.
XX
PT   New soluble polypeptides comprising an extracellular domain of EphB4 or
PT   Ephrin B2 protein for diagnosing or treating cancer or angiogenesis-
PT   associated diseases, such as inflammatory disorders, psoriasis or
PT   scleroderma.
XX
PS   Example 8; Page 92; 198pp; English.
XX
CC   The invention describes an isolated soluble polypeptide comprising an
CC   amino acid sequence of an extracellular domain of an EphB4 or Ephrin B2
CC   protein. The EphB4 or Ephrin B2 polypeptide is a monomer, the EphB4
CC   polypeptide binds specifically to the Ephrin B2 polypeptide, and the
CC   Ephrin B2 polypeptide binds specifically to the EphB4 polypeptide. Also
CC   described are: an antagonist antibody that binds to an extracellular
CC   domain of the EphB4 or Ephrin B2 protein and inhibits an activity of the
CC   EphB4 or Ephrin B2; a pharmaceutical or cosmetic composition, or a
CC   diagnostic kit, comprising the above soluble polypeptide or antagonist
CC   antibody, and a pharmaceutical carrier; methods of inhibiting
CC   angiogenesis or inhibiting signaling through Ephrin B2/EphB4 pathway in a
CC   cell; a method of reducing the growth rate of a tumour; methods for
CC   treating a patient suffering from a cancer or an angiogenesis-associated
CC   disease; and a method for identifying a tumor that is suitable for
CC   treatment with an EphrinB2 or EphB4 antagonist. The polypeptide or
CC   antibody is useful for manufacturing a medicament for the treatment of
CC   cancer or an angiogenesis-associated disease. The composition and methods
CC   are useful for diagnosing or treating cancer or angiogenesis-associated
CC   diseases, such as inflammatory disorders, chronic articular rheumatism,
CC   psoriasis, ocular angiogenic diseases or scleroderma. This sequence
CC   represents a human ephrin B4 antisense oligonucleotide that can be used
```

```
CC   to control EphB4 expression.
XX
SQ   Sequence 20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match             90.0%;  Score 18;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.74;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGA 18
              ||||||||||||||||||
Db          3 ATGGAGGCCTCGCTCAGA 20


RESULT 8
ADR82378
ID   ADR82378 standard; DNA; 20 BP.
XX
AC   ADR82378;
XX
DT   16-DEC-2004  (first entry)
XX
DE   Human EphB4 antisense probe #49.
XX
KW   human; ss; antisense; EphB4; EphrinB2; cancer;
KW   angiogenesis-associated disease; inflammatory disorder;
KW   chronic articular rheumatism; psoriasis; ocular angiogenic disease;
KW   scleroderma; cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
KW   dermatological; ophthalmological; angiogenesis inhibitor; probe.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO2004080418-A2.
XX
PD   23-SEP-2004.
XX
PF   12-MAR-2004; 2004WO-US007491.
XX
PR   12-MAR-2003; 2003US-0454300P.
PR   12-MAR-2003; 2003US-0454432P.
XX
PA   (VASG-) VASGENE THERAPEUTICS INC.
XX
PI   Reddy R,  Gill P;
XX
DR   WPI; 2004-668879/65.
XX
PT   New isolated nucleic acid compounds that hybridize to EphB4 or EphrinB2
PT   transcripts or decrease the expression of EphB4 or EphrinB2 in cells,
PT   useful for diagnosing or treating cancer or angiogenesis-associated
PT   diseases.
XX
PS   Example 8; Page 99; 206pp; English.
XX
CC   The invention relates to an isolated nucleic acid compound comprising at
CC   least a portion that hybridises to an EphB4 or EphrinB2 transcript under
CC   physiological conditions and decreases the expression of EphB4 or
CC   EphrinB2 in a cell. The nucleic acid is useful for manufacturing a
CC   medicament for the treatment of cancer or angiogenesis-associated
CC   diseases. The composition and methods are useful for diagnosing or
CC   treating cancer or angiogenesis-associated diseases, such as inflammatory
CC   disorders, chronic articular rheumatism, psoriasis, ocular angiogenic
CC   diseases or scleroderma. The present sequence represents a human EphB4
CC   antisense probe.
XX
SQ   Sequence 20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match             90.0%;  Score 18;  DB 13;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.74;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGA 18
              ||||||||||||||||||
Db          3 ATGGAGGCCTCGCTCAGA 20


RESULT 9
AAV21315
ID   AAV21315 standard; DNA; 16 BP.
XX
AC   AAV21315;
XX
DT   14-AUG-1998  (first entry)
XX
DE   Antisense immunoglobulin I Gamma4-C epsilon "core" bridging molecule 2.
XX
KW   ss; Ig; heavy chain; stimulation; inhibition; treatment; IgM; IgG; IgA;
KW   IgE; isotype switching; allergy; autoimmune; alloimmune.
XX
OS   Synthetic.
OS   Homo sapiens.
XX
PN   WO9807738-A1.
XX
PD   26-FEB-1998.
XX
PF   15-AUG-1997;   97WO-US015485.
XX
PR   19-AUG-1996;   96US-0023579P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Saxon AW,  Ke Z,  Fujieda S;
XX
DR   WPI; 1998-179050/16.
XX
PT   New immunoglobulin trans-spliced transcripts - used for, e.g. stimulating
PT   or inhibiting synthesis of particular immunoglobulin isotype, useful for
PT   treating immune disorders.
XX
PS   Claim 18; Page 61; 83pp; English.
XX
CC   The nucleotides AAV21302-V21325 are examples of immunoglobulin trans-
CC   spliced transcripts and the corresponding antisense molecules. The
CC   transcripts comprise a sequence capable of annealing to a human genomic
CC   immunoglobulin (Ig) heavy chain I region of a locus selected from mu,
CC   epsilon, alpha and gamma followed by a second sequence capable of
CC   annealing to a region of a second locus selected from mu, epsilon, alpha
CC   and gamma as above. The products can be used for stimulating or
CC   inhibiting synthesis of a particular human Ig isotype. They can be used
CC   for treating disorders mediated by IgM, IgG, IgA or IgE, in particular
CC   for inhibiting IgE synthesis or isotype switching to IgE for treating
CC   allergic disorders. They can also be used for treating autoimmune and
CC   alloimmune diseases amongst others
XX
SQ   Sequence 16 BP; 1 A; 4 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match             65.0%;  Score 13;  DB 2;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 6.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 TGGAGGCCTCGCT 14
              |||||||||||||
Db          3 TGGAGGCCTCGCT 15


RESULT 10
AAV21314/c
ID   AAV21314 standard; DNA; 16 BP.
XX
AC   AAV21314;
XX
DT   14-AUG-1998  (first entry)
XX
DE   Immunoglobulin I Gamma4-C epsilon "core" bridging molecule 2.
XX
```

KW ss; Ig; heavy chain; stimulation; inhibition; treatment; IgM; IgG; IgA;
KW IgE; isotype switching; allergy; autoimmune; alloimmune.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9807738-A1.
XX
PD 26-FEB-1998.
XX
PF 15-AUG-1997; 97WO-US015485.
XX
PR 19-AUG-1996; 96US-0023579P.
XX
PA (REGC) UNIV CALIFORNIA.
XX
PI Saxon AW, Ke Z, Fujieda S;
XX
DR WPI; 1998-179050/16.
XX
PT New immunoglobulin trans-spliced transcripts - used for, e.g. stimulating
PT or inhibiting synthesis of particular immunoglobulin isotype, useful for
PT treating immune disorders.
XX
PS Claim 8; Page 61; 83pp; English.
XX
CC The nucleotides AAV21302-V21325 are examples of immunoglobulin trans-
CC spliced transcripts and the corresponding antisense molecules. The
CC transcripts comprise a sequence capable of annealing to a human genomic
CC immunoglobulin (Ig) heavy chain I region of a locus selected from mu,
CC epsilon, alpha and gamma followed by a second sequence capable of
CC annealing to a region of a second locus selected from mu, epsilon, alpha
CC and gamma as above. The products can be used for stimulating or
CC inhibiting synthesis of a particular human Ig isotype. They can be used
CC for treating disorders mediated by IgM, IgG, IgA or IgE, in particular
CC for inhibiting IgE synthesis or isotype switching to IgE for treating
CC allergic disorders. They can also be used for treating autoimmune and
CC alloimmune diseases amongst others
XX
SQ Sequence 16 BP; 4 A; 7 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 65.0%; Score 13; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TGGAGGCCTCGCT 14
||||||||||||
Db 14 TGGAGGCCTCGCT 2

RESULT 11
ADQ92609/c
ID ADQ92609 standard; RNA; 21 BP.
XX
AC ADQ92609;
XX
DT 21-OCT-2004 (first entry)
XX
DE Androgen receptor siRNA sense strand, SEQ ID 185.
XX
KW Endocrine; Antiseborrheic; Dermatological; Depilatory; RNA interference;
KW small interfering RNA; siRNA;
KW androgen signal transduction pathway protein;
KW androgen signal transduction; androgen receptor; hair loss;
KW hyperandrogenic condition; androgenic alopecia; male pattern alopecia;
KW acne vulgaris; seborrhoea; female hirsutism; prostatic hypertrophy; ds.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT misc_feature 20. .21
FT /*tag= a
FT /note= "2 deoxynucleotide overhang"
XX
PN WO2004063331-A2.
XX
PD 29-JUL-2004.
XX
PF 05-JAN-2004; 2004WO-US000128.
XX
PR 03-JAN-2003; 2003US-0437842P.
XX
PA (GENC-) GENCIA CORP.
XX
PI Kahn S;
XX
DR WPI; 2004-561892/54.
XX
PT Inhibitory nucleic acid that inhibits expression of an androgen signal
PT transduction pathway protein useful for treating hair loss, comprises a
PT double stranded RNA having a partial sequence encoding a pathway protein
PT in one strand.
XX
PS Claim 11; Page 36; 92pp; English.
XX
CC The present invention relates to novel small interfering RNAs (siRNAs),
CC comprising a double stranded RNA, where one strand comprises a partial
CC nucleic acid sequence of an androgen signal transduction pathway protein,
CC and where the double-stranded RNA inhibits translation of mRNA encoding
CC the nucleic acid sequence of the androgen signal transduction pathway
CC protein thereby blocking the androgen signal transduction pathway. The
CC androgen signal transduction pathway protein is chosen from isozymes I
CC and II of 5-alpha reductase (ADQ92425 and ADQ92516), the androgen
CC receptor (ADQ92571), aromatase (ADQ92896), 3-alpha-
CC hydroxysteroiddehydrogenase (ADQ93182), 3-beta-
CC hydroxysteroiddehydrogenase (ADQ93360), 3-beta-
CC hydroxysteroiddehydrogenase-4-5-isomerase (ADQ93541), 17-beta-
CC hydroxysteroidoxidoreductase (ADQ93722), and steroid sulfatase
CC (ADQ93770). The siRNAs of the invention are useful for reducing hair loss
CC in a mammal which involves contacting several mammal's hair cells with
CC the siRNA, where the siRNA interferes with the translation of mRNA of the
CC androgen signal transduction protein. The siRNAs are useful for treating
CC hyperandrogenic conditions of androgenic alopecia, including male pattern
CC alopecia, acne vulgaris, seborrhoea, and female hirsutism and prostatic
CC hypertrophy. The present sequence is the sense strand for one such siRNA
CC of the invention.
XX
SQ Sequence 21 BP; 5 A; 6 C; 6 G; 2 T; 2 U; 0 Other;

Query Match 65.0%; Score 13; DB 13; Length 21;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AGGCCTCGCTCAG 17
||||||||||||
Db 20 AGGCCTCGCTCAG 8

RESULT 12
AAX75693
ID AAX75693 standard; RNA; 15 BP.
XX
AC AAX75693;
XX
DT 28-JUL-1999 (first entry)
XX
DE Human flt-1 and KDR hammerhead ribozyme target site #27.
XX
KW Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
KW KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
KW tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
KW fms-like tyrosine kinase 1; kinase insert domain containing receptor;
KW foetal liver kinase 1; ss.
XX
OS Homo sapiens.
XX

PN WO9715662-A2.
XX
PD 01-MAY-1997.
XX
PF 25-OCT-1996; 96WO-US017480.
XX
PR 26-OCT-1995; 95US-0005974P.
PR 11-JAN-1996; 96US-00584040.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (CHIR) CHIRON CORP.
XX
PI Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
XX
DR WPI; 1997-259017/23.
XX
PT Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
PT stability - useful for treating e.g. tumour angiogenesis, psoriasis,
PT rheumatoid arthritis, etc., in a human patient.
XX
PS Example 9; Page 192; 218pp; English.
XX
CC The present invention describes nucleic acid molecules which modulate the
CC synthesis, expression and/or stability of a mRNA encoding 1 or more
CC receptors of vascular endothelial growth factor (VEGF). A patient
CC (preferably human) having a condition associated with the level of the
CC fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
CC receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
CC angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be
CC treated by administering the nucleic acid molecule or the expression
CC vector to the patient. AAX67275 to AAX75752 represent specific examples
CC of nucleic acid molecules from the present invention
XX
SQ Sequence 15 BP; 4 A; 5 C; 4 G; 0 T; 2 U; 0 Other;

Query Match 60.0%; Score 12; DB 2; Length 15;
Best Local Similarity 83.3%; Pred. No. 2.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AGGCCTCGCTCA 16
||||:|||:||
Db 2 AGGCCUCGCUCA 13

RESULT 13
AAX69359
ID AAX69359 standard; RNA; 17 BP.
XX
AC AAX69359;
XX
DT 28-JUL-1999 (first entry)
XX
DE Human flt1 VEGF receptor hammerhead ribozyme substrate #654.
XX
KW Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
KW KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
KW tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
KW fms-like tyrosine kinase 1; kinase insert domain containing receptor;
KW foetal liver kinase 1; ss.
XX
OS Homo sapiens.
XX
PN WO9715662-A2.
XX
PD 01-MAY-1997.
XX
PF 25-OCT-1996; 96WO-US017480.
XX
PR 26-OCT-1995; 95US-0005974P.
PR 11-JAN-1996; 96US-00584040.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (CHIR) CHIRON CORP.
XX
PI Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
XX
DR WPI; 1997-259017/23.
XX
PT Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
PT stability - useful for treating e.g. tumour angiogenesis, psoriasis,
PT rheumatoid arthritis, etc., in a human patient.
XX
PS Claim 4; Page 66; 218pp; English.
XX
CC The present invention describes nucleic acid molecules which modulate the
CC synthesis, expression and/or stability of a mRNA encoding 1 or more
CC receptors of vascular endothelial growth factor (VEGF). A patient
CC (preferably human) having a condition associated with the level of the
CC fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
CC receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
CC angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be
CC treated by administering the nucleic acid molecule or the expression
CC vector to the patient. AAX67275 to AAX75752 represent specific examples
CC of nucleic acid molecules from the present invention
XX
SQ Sequence 17 BP; 5 A; 6 C; 4 G; 0 T; 2 U; 0 Other;

Query Match 60.0%; Score 12; DB 2; Length 17;
Best Local Similarity 83.3%; Pred. No. 2.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AGGCCTCGCTCA 16
||||:|||:||
Db 3 AGGCCUCGCUCA 14

RESULT 14
AEB58330
ID AEB58330 standard; mRNA; 17 BP.
XX
AC AEB58330;
XX
DT 22-SEP-2005 (first entry)
XX
DE Human VEGF receptor 1 (flt-1) DNAzyme target sequence SEQ ID 908.
XX
KW VEGF receptor; angiogenesis; cancer; tumor; ocular disease;
KW diabetic retinopathy; age related macular degeneration;
KW angiogenesis disorder; rheumatoid arthritis; psoriasis; wound healing;
KW endometriosis; endometroid carcinoma; gynecological bleeding disorder;
KW menstruation disorder; premenstrual syndrome; menopause; Gynecological;
KW Cytostatic; Ophthalmological; Antidiabetic; antiangiogenic;
KW Antipsoriatic; Antirheumatic; Antiarthritic; Vulnerary; Hemostatic;
KW Contraceptive; ss; enzymatic nucleic acid.
XX
OS Homo sapiens.
XX
PN WO200296927-A2.
XX
PD 05-DEC-2002.
XX
PF 29-MAY-2002; 2002WO-US017674.
XX
PR 29-MAY-2001; 2001US-00870161.
PR 30-NOV-2001; 2001US-0334461P.
PR 03-MAY-2002; 2002US-00138674.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (CHIR) CHIRON CORP.
XX
PI Escobedo J, Mcswiggen J, Pavco P, Stinchcomb D, Sandberg J;
PI Gordon G;
XX
DR WPI; 2003-140439/13.
XX
PT Novel enzymatic nucleic acids, ribozymes, which modulate expression of

PT genes encoding vascular endothelial growth factor and/or VEGF receptor,
PT useful for inhibiting tumor angiogenesis in cell, and for treating
PT cancer.
XX
PS Disclosure; SEQ ID NO 908; 172pp; English.
XX
CC The invention relates to enzymatic nucleic acids (I) i.e.
CC ribozymes/DNAzymes/Zinzymes that target and modulate expression of, genes
CC encoding vascular endothelial growth factor (VEGF) and/or VEGF receptor
CC (VEGFR1 and 2 encode by the Flt-1 and Kdr genes respectively). Also
CC included are a composition comprising (I) and a carrier, administering
CC (I) to a cell (by contacting the cell with the compound under conditions
CC suitable for the administration), administering (I) to a cell (in
CC conjunction with one or more other drug by contacting the cell with the
CC compound and the other drug under conditions suitable for the
CC administration), administering (I) to a mammal (by contacting the mammal
CC with the compound under conditions suitable for the administration),
CC treating (M1) a subject having endometriosis (by contacting a subject
CC with, or administering to subject, a nucleic acid molecule (II) that
CC modulates expression of VEGF, VEGFR1, and/or VEGFR2), a mammalian cell
CC (III) comprising (I) and administering to a mammal (I) (in conjunction
CC with a chemotherapeutic agent comprising contacting the mammal with the
CC compound and the chemotherapeutic agent under conditions suitable for the
CC administration). (I) is administered to a mammalian cell, preferably
CC human cell in the presence of a delivery reagent which is a lipid such as
CC cationic lipid or phospholipid, or a liposome. The enzymatic nucleic acid
CC molecule has an endonuclease activity to cleave RNA encoded by an VEGFR1
CC and/or VEGFR2 gene, and is in a hammerhead, inozyme, DNAzyme, G-cleaver,
CC or Amberzyme configuration. The enzymatic nucleic acids are useful for
CC inhibiting ocular angiogenesis associated with diabetic retinopathy or
CC age-related diabetic retinopathy, in a subject. They are also useful for
CC inhibiting angiogenesis, preferably tumor angiogenesis in cell, and for
CC treating a subject having a condition associated with an increased level
CC of VEGF receptor, where the condition is cancer, e.g. breast cancer, lung
CC cancer (such as non-small cell lung carcinoma), colorectal cancer, renal
CC cancer (such as renal cell carcinoma), pancreatic cancer. The enzymatic
CC nucleic acids are useful for treating a subject (preferably human) having
CC endometriosis, psoriasis, age-related macular degeneration, proliferative
CC diabetic retinopathy, hypoxia-induced angiogenesis, rheumatoid arthritis,
CC wound healing, endometrial carcinoma, gynecologic bleeding disorders,
CC irregular menstrual cycles, ovulation, premenstrual syndrome, and
CC menopausal dysfunction. The enzymatic nucleic acids are useful for birth
CC control by inhibiting ovulation or embryonic uterine implantation. The
CC present sequence is a target sequence from the human VEGFR1/flt-1 mRNA.
XX
SQ Sequence 17 BP; 5 A; 5 C; 4 G; 0 T; 3 U; 0 Other;

```
  Query Match             60.0%;  Score 12;  DB 11;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 2.5e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          2 AGGCCUCGCUCA 13
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RESULT 15
ABQ83968
ID ABQ83968 standard; DNA; 19 BP.
XX
AC ABQ83968;
XX
DT 05-FEB-2003 (first entry)
XX
DE Lampanyctus regalis 12S RNA gene PCR primer 12S-L.
XX
KW Cytochrome b; cyt b; D-loop; mitochondrial; Rod; ITS-2; rhodopsin;
KW internal transcribed spacer region; nuclear; myctophid; fish; probe;
KW identification; detection; PCR primer; ss.
XX
OS Lampanyctus regalis.
XX
PN GB2374597-A.
XX
PD 23-OCT-2002.
XX
PF 30-MAR-2001; 2001GB-00008104.
XX
PR 30-MAR-2001; 2001GB-00008104.
XX
PA (COUL) COUNCIL SCI & IND RES.
XX
PI Goswami U, Bernardi G, Goswami SC, Johnson RK;
XX
DR WPI; 2003-032290/03.
XX
PT Developing probes for myctophid fishes, useful for genetic identification
PT of myctophids, by generating probes for cytochrome b, internal
PT transcribed spacer region, mitochondrial D-loop, and rhodopsin genes of
PT the fish.
XX
PS Claim 90; Page 50; 60pp; English.
XX
CC The present invention describes a method (M1) for developing probes (P)
CC for myctophid fish by amplifying selected gene regions in DNA extracted
CC from muscle of fish, eluting and reamplifying amplified DNA, purifying
CC and ligating the DNA into vector which is transformed into host cells,
CC purifying recombinant plasmid DNA having cloned gene (P) from host cells,
CC amplifying gene insert from probe, comparing sequence of prepared (P)
CC against known sequences of similar genes, and designing species-specific
CC primers from sequences. The method is useful for developing nucleotide
CC probes for myctophid fishes such as Stenobrachius leucopsarus, Diaphus
CC theta, Protomyctophum crockeri, Tarletonbeania crenularis or Lampanyctus
CC regalis. The probes identified by the method are useful for the
CC identification of early and adult life history stages of myctophids i.e.,
CC Lantern fishes. The specifies specific primers are employed to amplify a
CC selected gene region to produce DNA probe directed for use as genetic
CC markers. The probes are useful for identifying myctophid larvae and hence
CC facilitate the assessment of genetic resources and genetic variability
CC between myctophid population. use of the primer polynucleotides for
CC amplifying a myctophid gene or its fragment. The present sequence
CC represents a specifically claimed Lampanyctus regalis PCR primer, which
CC is used in the method from the present invention
XX
SQ Sequence 19 BP; 3 A; 8 C; 3 G; 5 T; 0 U; 0 Other;

```
  Query Match             60.0%;  Score 12;  DB 8;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
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Qy          7 GCCTCGCTCAGA 18
              ||||||||||||
Db          7 GCCTCGCTCAGA 18
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 11:03:51 ; Search time 1813 Seconds
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Title: US-10-800-077-231
Perfect score: 20
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 5883141 seqs, 28421725653 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1641224

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match	Length	DB	ID	Description
1		12	60.0	15	6	AR192955	AR192955 Sequence
2		12	60.0	15	6	AR326697	AR326697 Sequence
3		12	60.0	15	6	AR600157	AR600157 Sequence
4		12	60.0	16	6	AR328499	AR328499 Sequence
5		12	60.0	17	6	AR186621	AR186621 Sequence
6		12	60.0	17	6	AR323252	AR323252 Sequence
7		12	60.0	17	6	AR327572	AR327572 Sequence
8		12	60.0	17	6	AR327573	AR327573 Sequence
9		12	60.0	17	6	AR596712	AR596712 Sequence
10	c	12	60.0	24	6	A87193	A87193 Sequence 4
11	c	12	60.0	24	6	A87576	A87576 Sequence 4
12		11	55.0	15	6	AR180263	AR180263 Sequence
13	c	11	55.0	15	6	AX173373	AX173373 Sequence
14		11	55.0	17	6	AR327574	AR327574 Sequence
15		11	55.0	18	6	A60688	A60688 Sequence 18
16		11	55.0	18	6	AR123969	AR123969 Sequence
17		11	55.0	19	6	A97311	A97311 Sequence 28
18	c	11	55.0	19	6	AR573236	AR573236 Sequence
19	c	11	55.0	19	6	AX131346	AX131346 Sequence
20	c	11	55.0	20	6	AR137287	AR137287 Sequence
21	c	11	55.0	20	6	BD075161	BD075161 Methods f
22	c	11	55.0	20	6	BD231270	BD231270 Genes for
23		11	55.0	20	6	AR224741	AR224741 Sequence
24	c	11	55.0	20	6	AX037409	AX037409 Sequence
25		11	55.0	20	6	AX399777	AX399777 Sequence
26	c	11	55.0	21	6	AX787126	AX787126 Sequence
27		11	55.0	23	6	AR252995	AR252995 Sequence
28		11	55.0	24	6	AR102901	AR102901 Sequence
29		11	55.0	24	6	AR108080	AR108080 Sequence
30		11	55.0	24	6	AR134728	AR134728 Sequence
31	c	11	55.0	27	6	AR125063	AR125063 Sequence
32	c	11	55.0	29	6	AX455422	AX455422 Sequence
33		10	50.0	10	6	BD083345	BD083345 Human mat
34		10	50.0	10	6	AX152559	AX152559 Sequence
35		10	50.0	11	6	CQ835503	CQ835503 Sequence
36		10	50.0	11	6	AX630288	AX630288 Sequence
37	c	10	50.0	15	6	AR030415	AR030415 Sequence
38	c	10	50.0	15	6	I56819	I56819 Sequence 2
39	c	10	50.0	15	6	AR399476	AR399476 Sequence
40	c	10	50.0	17	6	AR165204	AR165204 Sequence
41	c	10	50.0	17	6	BD104880	BD104880 Kit and m
42		10	50.0	17	6	AR186622	AR186622 Sequence
43	c	10	50.0	17	6	AR192274	AR192274 Sequence
44		10	50.0	17	6	AR323253	AR323253 Sequence
45	c	10	50.0	17	6	AR326144	AR326144 Sequence

ALIGNMENTS

RESULT 1
AR192955
LOCUS AR192955 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 8443 from patent US 6346398.
ACCESSION AR192955
VERSION AR192955.1 GI:20238920
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 8443 12-FEB-2002;
FEATURES Location/Qualifiers
source 1. .15
/organism="unknown"
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 7.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AGGCCTCGCTCA 16
||||||||||||
Db 2 AGGCCTCGCTCA 13

RESULT 2
AR326697
LOCUS AR326697 15 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 4099 from patent US 6566127.
ACCESSION AR326697
VERSION AR326697.1 GI:33712505
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)

```
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4099 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
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                     /mol_type="unassigned RNA"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 15;
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Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          2 AGGCCTCGCTCA 13


RESULT 3
AR600157
LOCUS       AR600157                  15 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 4099 from patent US 6818447.
ACCESSION   AR600157
VERSION     AR600157.1  GI:56651171
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 4099 16-NOV-2004;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .15
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ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 7.8e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          2 AGGCCTCGCTCA 13


RESULT 4
AR328499
LOCUS       AR328499                  16 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5901 from patent US 6566127.
ACCESSION   AR328499
VERSION     AR328499.1  GI:33714307
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5901 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
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ORIGIN

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  Best Local Similarity   100.0%;  Pred. No. 7.8e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          4 AGGCCTCGCTCA 15


RESULT 5
AR186621
LOCUS       AR186621                  17 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 2109 from patent US 6346398.
ACCESSION   AR186621
VERSION     AR186621.1  GI:20232586
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6346398-A 2109 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .17
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ORIGIN

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Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          3 AGGCCTCGCTCA 14


RESULT 6
AR323252
LOCUS       AR323252                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 654 from patent US 6566127.
ACCESSION   AR323252
VERSION     AR323252.1  GI:33709060
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 654 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
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                     /mol_type="unassigned RNA"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 7.8e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          3 AGGCCTCGCTCA 14


RESULT 7
AR327572
LOCUS       AR327572                  17 bp    RNA     linear   PAT 17-AUG-2003
```

```
DEFINITION  Sequence 4974 from patent US 6566127.
ACCESSION   AR327572
VERSION     AR327572.1  GI:33713380
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4974 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 7.8e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          5 AGGCCTCGCTCA 16


RESULT 8
AR327573
LOCUS       AR327573                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 4975 from patent US 6566127.
ACCESSION   AR327573
VERSION     AR327573.1  GI:33713381
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4975 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
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ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 17;
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  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          4 AGGCCTCGCTCA 15


RESULT 9
AR596712
LOCUS       AR596712                  17 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 654 from patent US 6818447.
ACCESSION   AR596712
VERSION     AR596712.1  GI:56647726
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 654 16-NOV-2004;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 7.8e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          3 AGGCCTCGCTCA 14


RESULT 10
A87193/c
LOCUS       A87193                    24 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 4 from Patent WO9837222.
ACCESSION   A87193
VERSION     A87193.1  GI:6735959
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Lansing,M.
  TITLE     METHOD FOR REVERSIBLE IMMOBILIZING OLIGO- AND/OR POLYSACCHARIDES
  JOURNAL   Patent: WO 9837222-A 4 27-AUG-1998;
            LANSING MANFRED (DE); SCHMIDT GERD (DE)
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 7.9e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 GGAGGCCTCGCT 14
              ||||||||||||
Db         14 GGAGGCCTCGCT 3


RESULT 11
A87576/c
LOCUS       A87576                    24 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 4 from Patent EP0861903.
ACCESSION   A87576
VERSION     A87576.1  GI:6736218
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   .
  TITLE     Method for reversible immobilizing oligo and/or polysaccharides
  JOURNAL   Patent: EP 0861903-A 4 02-SEP-1998;
            LANSING MANFRED (DE); SCHMIDT GERD (DE)
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"
ORIGIN

  Query Match             60.0%;  Score 12;  DB 6;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 7.9e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          3 GGAGGCCTCGCT 14
              ||||||||||||
Db         14 GGAGGCCTCGCT 3


RESULT 12
AR180263
LOCUS       AR180263                  15 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 331 from patent US 6333152.
ACCESSION   AR180263
VERSION     AR180263.1  GI:20222296
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
  TITLE     Gene expression profiles in normal and cancer cells
  JOURNAL   Patent: US 6333152-A 331 25-DEC-2001;
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             55.0%;  Score 11;  DB 6;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+04;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 GCCTCGCTCAG 17
              ||||||||||||
Db          4 GCCTCGCTCAG 14


RESULT 13
AX173373/c
LOCUS       AX173373                  15 bp    DNA     linear   PAT 03-JUL-2001
DEFINITION  Sequence 27 from Patent WO0142445.
ACCESSION   AX173373
VERSION     AX173373.1  GI:14598148
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Murphy,B.R., Collins,P.L., Schmidt,A.C., Durbin,A.P.,
            Skiadopoulos,M.H. and Tao,T.
  TITLE     Use of recombinant parainfluenza viruses (pivs) as vectors to
            protect against infection and disease caused by piv and other human
            pathogens
  JOURNAL   Patent: WO 0142445-A 27 14-JUN-2001;
            The Secretary of the Department of Health and Human Services (US)
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Oligomer insert for rule-of-six conformity"
ORIGIN

  Query Match             55.0%;  Score 11;  DB 6;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+04;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 GGAGGCCTCGC 13
              ||||||||||||
Db         12 GGAGGCCTCGC 2


RESULT 14
AR327574
LOCUS       AR327574                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 4976 from patent US 6566127.
ACCESSION   AR327574
VERSION     AR327574.1  GI:33713382
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4976 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"
ORIGIN

  Query Match             55.0%;  Score 11;  DB 6;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+04;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 GGCCTCGCTCA 16
              ||||||||||||
Db          1 GGCCTCGCTCA 11


RESULT 15
A60688
LOCUS       A60688                    18 bp    DNA     linear   PAT 06-MAR-1998
DEFINITION  Sequence 18 from Patent WO9708311.
ACCESSION   A60688
VERSION     A60688.1  GI:3715338
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Bulleid,N. and Kadler,K.
  TITLE     NOVEL PROCOLLAGENS
  JOURNAL   Patent: WO 9708311-A 18 06-MAR-1997;
            UNIV MANCHESTER (GB)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"
ORIGIN

  Query Match             55.0%;  Score 11;  DB 6;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+04;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 GCCTCGCTCAG 17
              ||||||||||||
Db          6 GCCTCGCTCAG 16


Search completed: March 22, 2006, 11:38:42
Job time : 1816 secs
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 11:38:51 ; Search time 301 Seconds
(without alignments)
154.931 Million cell updates/sec

Title: US-10-800-077-231
Perfect score: 20
Sequence: 1 atggaggcctcgctcagaaa 20

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 8023312 seqs, 1165852854 residues

Word size : 0

Total number of hits satisfying chosen parameters: 13031916

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 45 summaries

Database : Published_Applications_NA_New:*
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13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	20	100.0	20	8	US-10-949-720-21	Sequence 21, Appl
	2	20	100.0	20	8	US-10-949-720-51	Sequence 51, Appl
	3	20	100.0	20	8	US-10-949-720-231	Sequence 231, App
	4	18	90.0	20	8	US-10-949-720-121	Sequence 121, App
c	5	15	75.0	19	10	US-11-101-244-159297	Sequence 159297,
c	6	15	75.0	19	11	US-11-083-784-159297	Sequence 159297,
	7	15	75.0	22	8	US-10-310-914A-339489	Sequence 339489,
c	8	14	70.0	19	10	US-11-101-244-159271	Sequence 159271,
c	9	14	70.0	19	11	US-11-083-784-159271	Sequence 159271,
c	10	14	70.0	23	8	US-10-310-914A-80328	Sequence 80328, A
c	11	13	65.0	19	10	US-11-101-244-687621	Sequence 687621,
c	12	13	65.0	19	10	US-11-101-244-1369657	Sequence 1369657,
c	13	13	65.0	19	11	US-11-083-784-687621	Sequence 687621,
c	14	13	65.0	19	11	US-11-083-784-1369657	Sequence 1369657,
c	15	13	65.0	20	8	US-10-310-914A-1218844	Sequence 1218844,
c	16	13	65.0	25	12	US-11-121-849-493911	Sequence 493911,
c	17	13	65.0	25	12	US-11-136-527-286667	Sequence 286667,
	18	12	60.0	18	8	US-10-310-914A-556569	Sequence 556569,
c	19	12	60.0	19	8	US-10-310-914A-203271	Sequence 203271,
c	20	12	60.0	19	8	US-10-310-914A-666592	Sequence 666592,
c	21	12	60.0	19	10	US-11-101-244-162196	Sequence 162196,
c	22	12	60.0	19	10	US-11-101-244-162197	Sequence 162197,
c	23	12	60.0	19	10	US-11-101-244-570456	Sequence 570456,
c	24	12	60.0	19	10	US-11-101-244-973965	Sequence 973965,
c	25	12	60.0	19	10	US-11-101-244-973969	Sequence 973969,
	26	12	60.0	19	10	US-11-101-244-1294357	Sequence 1294357,
	27	12	60.0	19	10	US-11-101-244-1294390	Sequence 1294390,
c	28	12	60.0	19	10	US-11-101-244-1369673	Sequence 1369673,
c	29	12	60.0	19	10	US-11-101-244-1567212	Sequence 1567212,
c	30	12	60.0	19	11	US-11-083-784-162196	Sequence 162196,
c	31	12	60.0	19	11	US-11-083-784-162197	Sequence 162197,
c	32	12	60.0	19	11	US-11-083-784-570456	Sequence 570456,
c	33	12	60.0	19	11	US-11-083-784-973965	Sequence 973965,
c	34	12	60.0	19	11	US-11-083-784-973969	Sequence 973969,
	35	12	60.0	19	11	US-11-083-784-1294357	Sequence 1294357,
	36	12	60.0	19	11	US-11-083-784-1294390	Sequence 1294390,
c	37	12	60.0	19	11	US-11-083-784-1369673	Sequence 1369673,
c	38	12	60.0	19	11	US-11-083-784-1567212	Sequence 1567212,
c	39	12	60.0	21	8	US-10-310-914A-1025565	Sequence 1025565,
	40	12	60.0	22	8	US-10-310-914A-190430	Sequence 190430,
	41	12	60.0	23	8	US-10-310-914A-969203	Sequence 969203,
	42	12	60.0	24	8	US-10-310-914A-190431	Sequence 190431,
c	43	12	60.0	24	8	US-10-310-914A-402292	Sequence 402292,
c	44	12	60.0	24	8	US-10-310-914A-1025576	Sequence 1025576,
c	45	12	60.0	24	8	US-10-310-914A-1378430	Sequence 1378430,

ALIGNMENTS

RESULT 1
US-10-949-720-21
; Sequence 21, Application US/10949720
; Publication No. US20050249736A1
; GENERAL INFORMATION:
; APPLICANT: Krasnoperov, Valery
; APPLICANT: Zozulya, Sergey
; APPLICANT: Kertesz, Nathalie
; APPLICANT: Reddy, Ramachandra
; APPLICANT: Gill, Parkash
; TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
; TITLE OF INVENTION: ANGIOGENESIS AND TUMOR GROWTH
; FILE REFERENCE: VASG-P02-002
; CURRENT APPLICATION NUMBER: US/10/949,720
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/454,432
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/454,300
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 10/800,350
; PRIOR FILING DATE: 2004-03-12
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-949-720-21

Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 ATGGAGGCCTCGCTCAGAAA 20
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Db          1 ATGGAGGCCTCGCTCAGAAA 20
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RESULT 2
US-10-949-720-51
; Sequence 51, Application US/10949720

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; Publication No. US20050249736A1
; GENERAL INFORMATION:
;  APPLICANT: Krasnoperov, Valery
;  APPLICANT:  Zozulya, Sergey
;  APPLICANT:  Kertesz, Nathalie
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P02-002
;  CURRENT APPLICATION NUMBER: US/10/949,720
;  CURRENT FILING DATE:  2004-09-23
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 10/800,350
;  PRIOR FILING DATE: 2004-03-12
;  NUMBER OF SEQ ID NOS: 425
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-949-720-51

  Query Match             100.0%;  Score 20;  DB 8;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.003;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
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Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 3
US-10-949-720-231
; Sequence 231, Application US/10949720
; Publication No. US20050249736A1
; GENERAL INFORMATION:
;  APPLICANT: Krasnoperov, Valery
;  APPLICANT:  Zozulya, Sergey
;  APPLICANT:  Kertesz, Nathalie
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P02-002
;  CURRENT APPLICATION NUMBER: US/10/949,720
;  CURRENT FILING DATE:  2004-09-23
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 10/800,350
;  PRIOR FILING DATE: 2004-03-12
;  NUMBER OF SEQ ID NOS: 425
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 231
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-949-720-231

  Query Match             100.0%;  Score 20;  DB 8;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.003;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 4
US-10-949-720-121
; Sequence 121, Application US/10949720
; Publication No. US20050249736A1
; GENERAL INFORMATION:
;  APPLICANT: Krasnoperov, Valery
;  APPLICANT:  Zozulya, Sergey
;  APPLICANT:  Kertesz, Nathalie
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P02-002
;  CURRENT APPLICATION NUMBER: US/10/949,720
;  CURRENT FILING DATE:  2004-09-23
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 10/800,350
;  PRIOR FILING DATE: 2004-03-12
;  NUMBER OF SEQ ID NOS: 425
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 121
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-949-720-121

  Query Match             90.0%;  Score 18;  DB 8;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.057;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGA 18
              ||||||||||||||||||
Db          3 ATGGAGGCCTCGCTCAGA 20


RESULT 5
US-11-101-244-159297/c
; Sequence 159297, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
;  APPLICANT: Dharmacon, Inc.
;  APPLICANT:  Khvorova, Anastasia
;  APPLICANT:  Reynolds, Angela
;  APPLICANT:  Leake, Devin
;  APPLICANT:  Marshall, William
;  APPLICANT:  Scaringe, Stephen
;  TITLE OF INVENTION: Functional and Hyperfunctional siRNA
;  FILE REFERENCE: 13499US
;  CURRENT APPLICATION NUMBER: US/11/101,244
;  CURRENT FILING DATE:  2005-04-07
;  PRIOR APPLICATION NUMBER: 60/502,050
;  PRIOR FILING DATE: 2003-09-10
;  PRIOR APPLICATION NUMBER: 60/426,137
;  PRIOR FILING DATE: 2002-11-14
;  NUMBER OF SEQ ID NOS: 1591911
;  SOFTWARE: Proprietary
; SEQ ID NO 159297
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-11-101-244-159297

  Query Match             75.0%;  Score 15;  DB 10;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 4.6;
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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTC 15
              |||||||||||||||
Db         15 ATGGAGGCCTCGCTC 1


RESULT 6
US-11-083-784-159297/c
; Sequence 159297, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
;  APPLICANT: Dharmacon, Inc.
;  APPLICANT:  Khvorova, Anastasia
;  APPLICANT:  Reynolds, Angela
;  APPLICANT:  Leake, Devin
;  APPLICANT:  Marshall, William
;  APPLICANT:  Scaringe, Stephen
;  TITLE OF INVENTION: Functional and Hyperfunctional siRNA
;  FILE REFERENCE: 13499US
;  CURRENT APPLICATION NUMBER: US/11/083,784
;  CURRENT FILING DATE:  2005-03-18
;  PRIOR APPLICATION NUMBER: US/10/714,333
;  PRIOR FILING DATE: 2003-11-14
;  PRIOR APPLICATION NUMBER: 60/502,050
;  PRIOR FILING DATE: 2003-09-10
;  PRIOR APPLICATION NUMBER: 60/426,137
;  PRIOR FILING DATE: 2002-11-14
;  NUMBER OF SEQ ID NOS: 1591911
;  SOFTWARE: Proprietary
; SEQ ID NO 159297
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-11-083-784-159297

  Query Match             75.0%;  Score 15;  DB 11;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 4.6;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTC 15
              |||||||||||||||
Db         15 ATGGAGGCCTCGCTC 1


RESULT 7
US-10-310-914A-339489
; Sequence 339489, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 339489
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-339489

  Query Match             75.0%;  Score 15;  DB 8;  Length 22;
  Best Local Similarity   86.7%;  Pred. No. 4.6;
  Matches   13;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 GAGGCCTCGCTCAGA 18
              ||||||:|||:||||
Db          8 GAGGCCUCGCUCAGA 22


RESULT 8
US-11-101-244-159271/c
; Sequence 159271, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
;  APPLICANT: Dharmacon, Inc.
;  APPLICANT:  Khvorova, Anastasia
;  APPLICANT:  Reynolds, Angela
;  APPLICANT:  Leake, Devin
;  APPLICANT:  Marshall, William
;  APPLICANT:  Scaringe, Stephen
;  TITLE OF INVENTION: Functional and Hyperfunctional siRNA
;  FILE REFERENCE: 13499US
;  CURRENT APPLICATION NUMBER: US/11/101,244
;  CURRENT FILING DATE:  2005-04-07
;  PRIOR APPLICATION NUMBER: 60/502,050
;  PRIOR FILING DATE: 2003-09-10
;  PRIOR APPLICATION NUMBER: 60/426,137
;  PRIOR FILING DATE: 2002-11-14
;  NUMBER OF SEQ ID NOS: 1591911
;  SOFTWARE: Proprietary
; SEQ ID NO 159271
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-11-101-244-159271

  Query Match             70.0%;  Score 14;  DB 10;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCT 14
              ||||||||||||||
Db         15 ATGGAGGCCTCGCT 2


RESULT 9
US-11-083-784-159271/c
; Sequence 159271, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
;  APPLICANT: Dharmacon, Inc.
;  APPLICANT:  Khvorova, Anastasia
;  APPLICANT:  Reynolds, Angela
;  APPLICANT:  Leake, Devin
;  APPLICANT:  Marshall, William
;  APPLICANT:  Scaringe, Stephen
;  TITLE OF INVENTION: Functional and Hyperfunctional siRNA
;  FILE REFERENCE: 13499US
;  CURRENT APPLICATION NUMBER: US/11/083,784
;  CURRENT FILING DATE:  2005-03-18
;  PRIOR APPLICATION NUMBER: US/10/714,333
;  PRIOR FILING DATE: 2003-11-14
;  PRIOR APPLICATION NUMBER: 60/502,050
;  PRIOR FILING DATE: 2003-09-10
;  PRIOR APPLICATION NUMBER: 60/426,137
;  PRIOR FILING DATE: 2002-11-14
;  NUMBER OF SEQ ID NOS: 1591911
;  SOFTWARE: Proprietary
; SEQ ID NO 159271
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-11-083-784-159271

  Query Match             70.0%;  Score 14;  DB 11;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCT 14
              ||||||||||||||
Db         15 ATGGAGGCCTCGCT 2
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RESULT 10
US-10-310-914A-80328/c
; Sequence 80328, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 80328
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-80328

Query Match 70.0%; Score 14; DB 8; Length 23;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TGGAGGCCTCGCTC 15
||||||||||||||
Db 23 TGGAGGCCTCGCTC 10

RESULT 11
US-11-101-244-687621/c
; Sequence 687621, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 687621
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-687621

Query Match 65.0%; Score 13; DB 10; Length 19;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCGCTC 15
|||||||||||||
Db 13 GGAGGCCTCGCTC 1

RESULT 12
US-11-101-244-1369657/c
; Sequence 1369657, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1369657
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1369657

Query Match 65.0%; Score 13; DB 10; Length 19;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCGCTC 15
|||||||||||||
Db 13 GGAGGCCTCGCTC 1

RESULT 13
US-11-083-784-687621/c
; Sequence 687621, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 687621
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-687621

Query Match 65.0%; Score 13; DB 11; Length 19;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCGCTC 15
|||||||||||||
Db 13 GGAGGCCTCGCTC 1

RESULT 14
US-11-083-784-1369657/c
; Sequence 1369657, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:

; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1369657
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-1369657

Query Match 65.0%; Score 13; DB 11; Length 19;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCGCTC 15
||||||||||||||
Db 13 GGAGGCCTCGCTC 1

RESULT 15
US-10-310-914A-1218844/c
; Sequence 1218844, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1218844
; LENGTH: 20
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-1218844

Query Match 65.0%; Score 13; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGAGGCCTCGCTC 15
||||||||||||||
Db 19 GGAGGCCTCGCTC 7

Search completed: March 22, 2006, 11:51:05
Job time : 302 secs

OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 11:32:39 ; Search time 430 Seconds
(without alignments)
384.622 Million cell updates/sec

Title: US-10-800-077-231
Perfect score: 20
Sequence: 1 atggaggcctcgctcagaaa 20

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 9793542 seqs, 4134689005 residues

Word size : 0

Total number of hits satisfying chosen parameters: 10535742

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 45 summaries

Database : Published_Applications_NA_Main:*
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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	20	100.0	20	9	US-10-800-350-21	Sequence 21, Appl
	2	20	100.0	20	9	US-10-800-350-51	Sequence 51, Appl
	3	20	100.0	20	9	US-10-800-350-231	Sequence 231, App
	4	20	100.0	20	9	US-10-800-077-21	Sequence 21, Appl
	5	20	100.0	20	9	US-10-800-077-51	Sequence 51, Appl
	6	20	100.0	20	9	US-10-800-077-231	Sequence 231, App
	7	18	90.0	20	9	US-10-800-350-121	Sequence 121, App
	8	18	90.0	20	9	US-10-800-077-121	Sequence 121, App
c	9	15	75.0	25	10	US-11-036-317-701453	Sequence 701453,
	10	14	70.0	25	8	US-10-719-900-331519	Sequence 331519,
	11	14	70.0	25	10	US-11-036-317-529571	Sequence 529571,
	12	14	70.0	25	10	US-11-036-317-533309	Sequence 533309,
c	13	13	65.0	25	7	US-10-719-956-252695	Sequence 252695,
c	14	13	65.0	25	8	US-10-719-900-437621	Sequence 437621,
	15	13	65.0	25	8	US-10-719-900-635635	Sequence 635635,
	16	12	60.0	15	7	US-10-138-674-4099	Sequence 4099, Ap
	17	12	60.0	15	7	US-10-287-949A-4099	Sequence 4099, Ap
	18	12	60.0	15	9	US-10-951-303-4099	Sequence 4099, Ap
	19	12	60.0	16	7	US-10-138-674-5901	Sequence 5901, Ap
	20	12	60.0	16	7	US-10-287-949A-5901	Sequence 5901, Ap
	21	12	60.0	17	7	US-10-138-674-654	Sequence 654, App
	22	12	60.0	17	7	US-10-138-674-4974	Sequence 4974, Ap
	23	12	60.0	17	7	US-10-138-674-4975	Sequence 4975, Ap
	24	12	60.0	17	7	US-10-138-674-7806	Sequence 7806, Ap
	25	12	60.0	17	7	US-10-287-949A-654	Sequence 654, App
	26	12	60.0	17	7	US-10-287-949A-4974	Sequence 4974, Ap
	27	12	60.0	17	7	US-10-287-949A-4975	Sequence 4975, Ap
	28	12	60.0	17	7	US-10-287-949A-7806	Sequence 7806, Ap
	29	12	60.0	17	8	US-10-712-633-908	Sequence 908, App
	30	12	60.0	17	8	US-10-741-600-73139	Sequence 73139, A
	31	12	60.0	17	9	US-10-951-303-654	Sequence 654, App
	32	12	60.0	19	3	US-09-782-604-28	Sequence 28, Appl
	33	12	60.0	19	9	US-10-981-507-28	Sequence 28, Appl
	34	12	60.0	19	9	US-10-727-780A-131	Sequence 131, App
	35	12	60.0	20	6	US-10-376-566-63	Sequence 63, Appl
	36	12	60.0	20	6	US-10-376-566-64	Sequence 64, Appl
c	37	12	60.0	20	6	US-10-154-708-49	Sequence 49, Appl
	38	12	60.0	20	6	US-10-154-708-113	Sequence 113, App
	39	12	60.0	25	7	US-10-719-956-32905	Sequence 32905, A
	40	12	60.0	25	7	US-10-719-956-48003	Sequence 48003, A
	41	12	60.0	25	7	US-10-719-956-145573	Sequence 145573,
	42	12	60.0	25	7	US-10-719-956-145574	Sequence 145574,
c	43	12	60.0	25	7	US-10-719-956-167493	Sequence 167493,
	44	12	60.0	25	7	US-10-719-956-257051	Sequence 257051,
c	45	12	60.0	25	7	US-10-719-956-481538	Sequence 481538,

ALIGNMENTS

RESULT 1
US-10-800-350-21
; Sequence 21, Application US/10800350
; Publication No. US20050084873A1
; GENERAL INFORMATION:
; APPLICANT: Krasnoperov, Valery
; APPLICANT: Zozulya, Sergey
; APPLICANT: Kertesz, Nathalie
; APPLICANT: Reddy, Ramachandra
; APPLICANT: Gill, Parkash
; TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
; TITLE OF INVENTION: ANGIOGENESIS AND TUMOR GROWTH
; FILE REFERENCE: VASG-P01-002
; CURRENT APPLICATION NUMBER: US/10/800,350
; CURRENT FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US 60/454,432
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/454,300
; PRIOR FILING DATE: 2003-03-12
; NUMBER OF SEQ ID NOS: 396
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-800-350-21

Query Match 100.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGAGGCCTCGCTCAGAAA 20
||||||||||||||||||||
Db 1 ATGGAGGCCTCGCTCAGAAA 20

RESULT 2
US-10-800-350-51
; Sequence 51, Application US/10800350
; Publication No. US20050084873A1
; GENERAL INFORMATION:
; APPLICANT: Krasnoperov, Valery
; APPLICANT: Zozulya, Sergey
; APPLICANT: Kertesz, Nathalie

```
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-002
;  CURRENT APPLICATION NUMBER: US/10/800,350
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-350-51

  Query Match            100.0%;  Score 20;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.014;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 3
US-10-800-350-231
; Sequence 231, Application US/10800350
; Publication No. US20050084873A1
; GENERAL INFORMATION:
;  APPLICANT: Krasnoperov, Valery
;  APPLICANT:  Zozulya, Sergey
;  APPLICANT:  Kertesz, Nathalie
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-002
;  CURRENT APPLICATION NUMBER: US/10/800,350
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 231
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-350-231

  Query Match            100.0%;  Score 20;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.014;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 4
US-10-800-077-21
; Sequence 21, Application US/10800077
; Publication No. US20050164965A1
; GENERAL INFORMATION:
;  APPLICANT: Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-001
;  CURRENT APPLICATION NUMBER: US/10/800,077
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-077-21

  Query Match            100.0%;  Score 20;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.014;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 5
US-10-800-077-51
; Sequence 51, Application US/10800077
; Publication No. US20050164965A1
; GENERAL INFORMATION:
;  APPLICANT: Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-001
;  CURRENT APPLICATION NUMBER: US/10/800,077
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-077-51

  Query Match            100.0%;  Score 20;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.014;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 6
US-10-800-077-231
; Sequence 231, Application US/10800077
; Publication No. US20050164965A1
; GENERAL INFORMATION:
;  APPLICANT: Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS FOR INHIBITING
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;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-001
;  CURRENT APPLICATION NUMBER: US/10/800,077
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 231
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-077-231

  Query Match             100.0%;  Score 20;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.014;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGAAA 20
              ||||||||||||||||||||
Db          1 ATGGAGGCCTCGCTCAGAAA 20


RESULT 7
US-10-800-350-121
; Sequence 121, Application US/10800350
; Publication No. US20050084873A1
; GENERAL INFORMATION:
;  APPLICANT: Krasnoperov, Valery
;  APPLICANT:  Zozulya, Sergey
;  APPLICANT:  Kertesz, Nathalie
;  APPLICANT:  Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-002
;  CURRENT APPLICATION NUMBER: US/10/800,350
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 121
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-350-121

  Query Match             90.0%;  Score 18;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.26;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGA 18
              ||||||||||||||||||
Db          3 ATGGAGGCCTCGCTCAGA 20


RESULT 8
US-10-800-077-121
; Sequence 121, Application US/10800077
; Publication No. US20050164965A1
; GENERAL INFORMATION:
;  APPLICANT: Reddy, Ramachandra
;  APPLICANT:  Gill, Parkash
;  TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS FOR INHIBITING
;  TITLE OF INVENTION:  ANGIOGENESIS AND TUMOR GROWTH
;  FILE REFERENCE: VASG-P01-001
;  CURRENT APPLICATION NUMBER: US/10/800,077
;  CURRENT FILING DATE:  2004-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,432
;  PRIOR FILING DATE: 2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/454,300
;  PRIOR FILING DATE: 2003-03-12
;  NUMBER OF SEQ ID NOS: 396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 121
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-10-800-077-121

  Query Match             90.0%;  Score 18;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.26;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCGCTCAGA 18
              ||||||||||||||||||
Db          3 ATGGAGGCCTCGCTCAGA 20


RESULT 9
US-11-036-317-701453/c
; Sequence 701453, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 701453
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-701453

  Query Match             75.0%;  Score 15;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 19;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCAGAA 19
              |||||||||||||||
Db         24 AGGCCTCGCTCAGAA 10


RESULT 10
US-10-719-900-331519
; Sequence 331519, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
;  FILE REFERENCE: 3528.1
;  CURRENT APPLICATION NUMBER: US/10/719,900
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,808
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 982914
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 331519
;   LENGTH: 25
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;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-719-900-331519

  Query Match             70.0%;  Score 14;  DB 8;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 83;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 GGCCTCGCTCAGAA 19
              ||||||||||||||
Db          5 GGCCTCGCTCAGAA 18


RESULT 11
US-11-036-317-529571
; Sequence 529571, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 529571
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-529571

  Query Match             70.0%;  Score 14;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 83;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 GGAGGCCTCGCTCA 16
              ||||||||||||||
Db          6 GGAGGCCTCGCTCA 19


RESULT 12
US-11-036-317-533309
; Sequence 533309, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 533309
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-533309

  Query Match             70.0%;  Score 14;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 83;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 GGAGGCCTCGCTCA 16
              ||||||||||||||
Db          2 GGAGGCCTCGCTCA 15


RESULT 13
US-10-719-956-252695/c
; Sequence 252695, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Rat
;  FILE REFERENCE: 3527.1
;  CURRENT APPLICATION NUMBER: US/10/719,956
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,836
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 699466
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 252695
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Rattus norvegicus
US-10-719-956-252695

  Query Match             65.0%;  Score 13;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 TGGAGGCCTCGCT 14
              |||||||||||||
Db         20 TGGAGGCCTCGCT 8


RESULT 14
US-10-719-900-437621/c
; Sequence 437621, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
;  FILE REFERENCE: 3528.1
;  CURRENT APPLICATION NUMBER: US/10/719,900
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,808
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 982914
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 437621
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-719-900-437621

  Query Match             65.0%;  Score 13;  DB 8;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 GGCCTCGCTCAGA 18
              |||||||||||||
Db         16 GGCCTCGCTCAGA 4


RESULT 15
US-10-719-900-635635
; Sequence 635635, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
;  FILE REFERENCE: 3528.1
;  CURRENT APPLICATION NUMBER: US/10/719,900
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,808
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 982914
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 635635
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;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-719-900-635635

  Query Match             65.0%;  Score 13;  DB 8;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 GGCCTCGCTCAGA 18
              |||||||||||||
Db          2 GGCCTCGCTCAGA 14


Search completed: March 22, 2006, 11:45:58
Job time : 431 secs
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 22, 2006, 10:22:12 ; Search time 901 Seconds
(without alignments)
39.458 Million cell updates/sec

Title: US-10-800-077-231
Perfect score: 20
Sequence: 1 atggaggcctcgctcagaaa 20

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1026780

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*
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5: /cgn2_6/ptodata/1/ina/H_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	13	65.0	16	3	US-08-911-894-13	Sequence 13, Appl
	2	13	65.0	16	3	US-08-911-894-14	Sequence 14, Appl
	3	12	60.0	15	3	US-08-584-040-8443	Sequence 8443, Ap
	4	12	60.0	15	3	US-09-371-772B-4099	Sequence 4099, Ap
	5	12	60.0	15	3	US-09-685-664B-4099	Sequence 4099, Ap
	6	12	60.0	16	3	US-09-371-772B-5901	Sequence 5901, Ap
	7	12	60.0	17	3	US-08-584-040-2109	Sequence 2109, Ap
	8	12	60.0	17	3	US-09-371-772B-654	Sequence 654, App
	9	12	60.0	17	3	US-09-371-772B-4974	Sequence 4974, Ap
	10	12	60.0	17	3	US-09-371-772B-4975	Sequence 4975, Ap
	11	12	60.0	17	3	US-09-685-664B-654	Sequence 654, App
	12	12	60.0	25	3	US-09-396-196G-12283	Sequence 12283, A
	13	12	60.0	25	3	US-09-396-196G-12284	Sequence 12284, A
	14	12	60.0	25	3	US-09-396-196G-12680	Sequence 12680, A
	15	12	60.0	25	3	US-09-396-196G-43433	Sequence 43433, A
	16	12	60.0	25	3	US-09-396-196G-43434	Sequence 43434, A
	17	11	55.0	15	3	US-09-081-646-331	Sequence 331, App
	18	11	55.0	17	3	US-09-371-772B-4976	Sequence 4976, Ap
	19	11	55.0	18	3	US-09-029-348-18	Sequence 18, Appl
c	20	11	55.0	19	3	US-09-696-791-2564	Sequence 2564, Ap
	21	11	55.0	19	3	US-09-509-595B-23	Sequence 23, Appl
c	22	11	55.0	20	3	US-09-050-159-34	Sequence 34, Appl
	23	11	55.0	20	3	US-09-907-843-46	Sequence 46, Appl
	24	11	55.0	23	3	US-09-305-856B-95	Sequence 95, Appl
	25	11	55.0	24	3	US-08-589-028-26	Sequence 26, Appl
	26	11	55.0	24	3	US-08-784-582-26	Sequence 26, Appl
	27	11	55.0	24	3	US-08-785-271-26	Sequence 26, Appl
	28	11	55.0	25	3	US-09-396-196G-12681	Sequence 12681, A
c	29	11	55.0	25	3	US-09-396-196G-14354	Sequence 14354, A
	30	11	55.0	25	3	US-09-396-196G-36124	Sequence 36124, A
	31	11	55.0	25	3	US-09-396-196G-43432	Sequence 43432, A
	32	11	55.0	25	3	US-09-396-196G-43435	Sequence 43435, A
	33	11	55.0	25	3	US-09-396-196G-71844	Sequence 71844, A
	34	11	55.0	25	3	US-09-396-196G-71845	Sequence 71845, A
c	35	11	55.0	25	3	US-09-396-196G-76280	Sequence 76280, A
c	36	11	55.0	25	3	US-09-396-196G-76281	Sequence 76281, A
	37	11	55.0	25	3	US-09-396-196G-87619	Sequence 87619, A
	38	11	55.0	25	3	US-09-396-196G-87620	Sequence 87620, A
c	39	11	55.0	27	3	US-08-485-355B-4	Sequence 4, Appli
c	40	10	50.0	15	2	US-07-954-113-2	Sequence 2, Appli
c	41	10	50.0	15	2	US-08-169-948B-40	Sequence 40, Appl
c	42	10	50.0	15	2	US-08-448-873-40	Sequence 40, Appl
c	43	10	50.0	15	3	US-08-382-452D-40	Sequence 40, Appl
c	44	10	50.0	15	3	US-09-916-494A-40	Sequence 40, Appl
c	45	10	50.0	17	3	US-08-702-665A-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-911-894-13/c
; Sequence 13, Application US/08911894
; Patent No. 6030830
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Fujieda, Shigeharu
; TITLE OF INVENTION: IMMUNOGLOBULIN TRANS-SPLICED TRANSCRIPTS
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Akin, Gump, Strauss, Hauer & Feld
; STREET: 816 Congress Avenue, Suite 1900
; CITY: Austin
; STATE: Texas
; COUNTRY: USA
; ZIP: 78701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,894
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,579
; FILING DATE: 19-AUG-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Mayfield, Denise L.
; REGISTRATION NUMBER: 33,732
; REFERENCE/DOCKET NUMBER: 43496.0006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 499-6200
; TELEFAX: (512) 499-6290
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-911-894-13

Query Match 65.0%; Score 13; DB 3; Length 16;

```
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 TGGAGGCCTCGCT 14
              |||||||||||||
Db         14 TGGAGGCCTCGCT 2


RESULT 2
US-08-911-894-14
; Sequence 14, Application US/08911894
; Patent No. 6030830
; GENERAL INFORMATION:
;   APPLICANT:  Saxon, Andrew
;   APPLICANT:  Zhang, Ke
;   APPLICANT:  Fujieda, Shigeharu
;   TITLE OF INVENTION:  IMMUNOGLOBULIN TRANS-SPLICED TRANSCRIPTS
;   TITLE OF INVENTION:  AND USES THEREOF
;   NUMBER OF SEQUENCES:  90
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Akin, Gump, Strauss, Hauer & Feld
;     STREET:  816 Congress Avenue, Suite 1900
;     CITY:  Austin
;     STATE:  Texas
;     COUNTRY:  USA
;     ZIP:  78701
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/911,894
;     FILING DATE:  Concurrently Herewith
;     CLASSIFICATION:  536
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 60/023,579
;     FILING DATE:  19-AUG-1996
;     CLASSIFICATION:  536
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Mayfield, Denise L.
;     REGISTRATION NUMBER:  33,732
;     REFERENCE/DOCKET NUMBER:  43496.0006
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (512) 499-6200
;     TELEFAX:  (512) 499-6290
; INFORMATION FOR SEQ ID NO:  14:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  16 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
US-08-911-894-14

  Query Match             65.0%;  Score 13;  DB 3;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 TGGAGGCCTCGCT 14
              |||||||||||||
Db          3 TGGAGGCCTCGCT 15


RESULT 3
US-08-584-040-8443
; Sequence 8443, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
;   APPLICANT:  Pavco, Pamela
;   APPLICANT:  McSwiggen, James
;   APPLICANT:  Stinchcomb, Dan T.
;   APPLICANT:  Escobedo, Jaime
;   TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;   TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;   TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;   TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;   TITLE OF INVENTION:  GROWTH FACTOR
;   NUMBER OF SEQUENCES:  8502
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Lyon & Lyon
;     STREET:  633 West Fifth Street
;     STREET:  Suite 4700
;     CITY:  Los Angeles
;     STATE:  California
;     COUNTRY:  U.S.A.
;     ZIP:  90071-2066
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;     MEDIUM TYPE:  storage
;     COMPUTER:  IBM Compatible
;     OPERATING SYSTEM:  IBM P.C. DOS 5.0
;     SOFTWARE:  Word Perfect 5.1
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/584,040
;     FILING DATE:  January 11, 1996
;     CLASSIFICATION:  514
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  60/005,974
;     FILING DATE:  October 26, 1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Warburg, Richard J.
;     REGISTRATION NUMBER:  32,327
;     REFERENCE/DOCKET NUMBER:  218/064
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (213) 489-1600
;     TELEFAX:  (213) 955-0440
;     TELEX:  67-3510
; INFORMATION FOR SEQ ID NO:  8443:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  15 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
US-08-584-040-8443

  Query Match             60.0%;  Score 12;  DB 3;  Length 15;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          2 AGGCCUCGCUCA 13


RESULT 4
US-09-371-772B-4099
; Sequence 4099, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4099
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;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4099

  Query Match             60.0%;  Score 12;  DB 3;  Length 15;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          2 AGGCCUCGCUCA 13


RESULT 5
US-09-685-664B-4099
; Sequence 4099, Application US/09685664B
; Patent No. 6818447
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Recptor
;  FILE REFERENCE: MBHB00-876-K (400/021)
;  CURRENT APPLICATION NUMBER: US/09/685,664B
;  CURRENT FILING DATE:  2000-10-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  PRIOR APPLICATION NUMBER: US 09/371,772
;  PRIOR FILING DATE: 1999-08-10
;  NUMBER OF SEQ ID NOS: 8231
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4099
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-685-664B-4099

  Query Match             60.0%;  Score 12;  DB 3;  Length 15;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          2 AGGCCUCGCUCA 13


RESULT 6
US-09-371-772B-5901
; Sequence 5901, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5901
;   LENGTH: 16
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5901

  Query Match             60.0%;  Score 12;  DB 3;  Length 16;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          4 AGGCCUCGCUCA 15


RESULT 7
US-08-584-040-2109
; Sequence 2109, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2109:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2109

  Query Match             60.0%;  Score 12;  DB 3;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
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```
Db          3 AGGCCUCGCUCA 14


RESULT 8
US-09-371-772B-654
; Sequence 654, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 654
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-654

  Query Match             60.0%;  Score 12;  DB 3;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          3 AGGCCUCGCUCA 14


RESULT 9
US-09-371-772B-4974
; Sequence 4974, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4974
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4974

  Query Match             60.0%;  Score 12;  DB 3;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          5 AGGCCUCGCUCA 16


RESULT 10
US-09-371-772B-4975
; Sequence 4975, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4975
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4975

  Query Match             60.0%;  Score 12;  DB 3;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
Db          4 AGGCCUCGCUCA 15


RESULT 11
US-09-685-664B-654
; Sequence 654, Application US/09685664B
; Patent No. 6818447
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relatec
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Recptor
;  FILE REFERENCE: MBHB00-876-K (400/021)
;  CURRENT APPLICATION NUMBER: US/09/685,664B
;  CURRENT FILING DATE:  2000-10-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  PRIOR APPLICATION NUMBER: US 09/371,772
;  PRIOR FILING DATE: 1999-08-10
;  NUMBER OF SEQ ID NOS: 8231
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 654
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-685-664B-654

  Query Match             60.0%;  Score 12;  DB 3;  Length 17;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              |||||:|||:||
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```
Db          3 AGGCCUCGCUCA 14


RESULT 12
US-09-396-196G-12283
; Sequence 12283, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12283
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-09-396-196G-12283

  Query Match             60.0%;  Score 12;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCG 12
              ||||||||||||
Db         10 ATGGAGGCCTCG 21


RESULT 13
US-09-396-196G-12284
; Sequence 12284, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12284
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-09-396-196G-12284

  Query Match             60.0%;  Score 12;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ATGGAGGCCTCG 12
              ||||||||||||
Db          2 ATGGAGGCCTCG 13


RESULT 14
US-09-396-196G-12680
; Sequence 12680, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12680
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-09-396-196G-12680

  Query Match             60.0%;  Score 12;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          8 CCTCGCTCAGAA 19
              ||||||||||||
Db          6 CCTCGCTCAGAA 17


RESULT 15
US-09-396-196G-43433
; Sequence 43433, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43433
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: mus musculus
US-09-396-196G-43433

  Query Match             60.0%;  Score 12;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 AGGCCTCGCTCA 16
              ||||||||||||
Db          9 AGGCCTCGCTCA 20


Search completed: March 22, 2006, 10:37:21
Job time : 901 secs
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 11:06:51 ; Search time 11 Seconds
(without alignments)
3.346 Million cell updates/sec

Title: US-10-800-077-392
Perfect score: 4235
Sequence: 1 ctcggcccggcggcgcgagc.....cgtgtcccagctccaggggt 4235

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 247 seqs, 4346 residues

Total number of hits satisfying chosen parameters: 494

Minimum DB seq length: 5
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 247 summaries

Database : fetch392rge.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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	3	19.2	0.5	24	1	AX961631	ACCESSION:AX961631
	4	19.2	0.5	24	1	AX961678	ACCESSION:AX961678
	5	18.8	0.4	22	1	CS081426	ACCESSION:CS081426
	6	18.8	0.4	22	1	AX598499	ACCESSION:AX598499
	7	18.4	0.4	23	1	CS016268	ACCESSION:CS016268
	8	17.4	0.4	20	1	AR163843	ACCESSION:AR163843
	9	17	0.4	20	1	A27173	ACCESSION:A27173
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c	11	16.8	0.4	20	1	AR271110	ACCESSION:AR271110
	12	16.8	0.4	20	1	AX020539	ACCESSION:AX020539
c	13	16.8	0.4	21	1	AR139574	ACCESSION:AR139574
c	14	16.8	0.4	21	1	BD223663	ACCESSION:BD223663
c	15	16.8	0.4	21	1	CS124289	ACCESSION:CS124289
c	16	16.8	0.4	21	1	AX020764	ACCESSION:AX020764
	17	16.4	0.4	18	1	AR242045	ACCESSION:AR242045
c	18	16.4	0.4	20	1	A17922	ACCESSION:A17922
c	19	16.4	0.4	20	1	AR063227	ACCESSION:AR063227
c	20	16.4	0.4	20	1	I56128	ACCESSION:I56128
c	21	16.4	0.4	20	1	I56528	ACCESSION:I56528
c	22	16.4	0.4	20	1	AR311563	ACCESSION:AR311563
c	23	16	0.4	17	1	AX673481	ACCESSION:AX673481
c	24	16	0.4	17	1	AX731716	ACCESSION:AX731716
c	25	16	0.4	17	1	AX735184	ACCESSION:AX735184
c	26	16	0.4	17	1	AX744419	ACCESSION:AX744419
c	27	16	0.4	17	1	AX744420	ACCESSION:AX744420
c	28	16	0.4	19	1	AR570744	ACCESSION:AR570744
c	29	16	0.4	19	1	AR570745	ACCESSION:AR570745
c	30	16	0.4	19	1	AX128854	ACCESSION:AX128854
c	31	16	0.4	19	1	AX128855	ACCESSION:AX128855
	32	16	0.4	19	1	AX378628	ACCESSION:AX378628
	33	15.8	0.4	19	1	AR063168	ACCESSION:AR063168
	34	15.8	0.4	19	1	AR071364	ACCESSION:AR071364
	35	15.8	0.4	19	1	AR119350	ACCESSION:AR119350
	36	15.8	0.4	19	1	AX427040	ACCESSION:AX427040
c	37	15.8	0.4	19	1	AX440559	ACCESSION:AX440559
	38	15.4	0.4	17	1	AR057744	ACCESSION:AR057744
	39	15.4	0.4	17	1	AR115502	ACCESSION:AR115502
	40	15.4	0.4	17	1	BD258254	ACCESSION:BD258254
c	41	15.4	0.4	17	1	CQ616913	ACCESSION:CQ616913
c	42	15.4	0.4	17	1	CQ616914	ACCESSION:CQ616914
	43	15.4	0.4	17	1	CS003951	ACCESSION:CS003951
c	44	15.4	0.4	17	1	AR457976	ACCESSION:AR457976
c	45	15.4	0.4	17	1	AR457977	ACCESSION:AR457977
	46	15.4	0.4	17	1	AX266555	ACCESSION:AX266555
c	47	15.4	0.4	17	1	AX266556	ACCESSION:AX266556
c	48	15.4	0.4	17	1	AX474958	ACCESSION:AX474958
	49	15.4	0.4	17	1	AX634840	ACCESSION:AX634840
	50	15.4	0.4	18	1	CQ857992	ACCESSION:CQ857992
c	51	15.4	0.4	19	1	CS049505	ACCESSION:CS049505
c	52	15	0.4	17	1	AR129565	ACCESSION:AR129565
c	53	15	0.4	17	1	BD081278	ACCESSION:BD081278
c	54	15	0.4	17	1	CQ616911	ACCESSION:CQ616911
c	55	15	0.4	17	1	CQ616912	ACCESSION:CQ616912
	56	15	0.4	17	1	CQ800594	ACCESSION:CQ800594
	57	15	0.4	17	1	CQ813465	ACCESSION:CQ813465
	58	15	0.4	17	1	CQ870993	ACCESSION:CQ870993
	59	15	0.4	17	1	AR327608	ACCESSION:AR327608
	60	15	0.4	17	1	AR327609	ACCESSION:AR327609
	61	15	0.4	17	1	AR327610	ACCESSION:AR327610
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c	63	15	0.4	17	1	AR457975	ACCESSION:AR457975
c	64	15	0.4	17	1	AR659212	ACCESSION:AR659212
c	65	15	0.4	17	1	AX357824	ACCESSION:AX357824
c	66	15	0.4	17	1	AX744418	ACCESSION:AX744418
c	67	15	0.4	17	1	AX744421	ACCESSION:AX744421
	68	15	0.4	18	1	AR187554	ACCESSION:AR187554
	69	15	0.4	18	1	AR324068	ACCESSION:AR324068
	70	15	0.4	18	1	AR597528	ACCESSION:AR597528
	71	14.8	0.3	18	1	AR078885	ACCESSION:AR078885
	72	14.8	0.3	18	1	BD088814	ACCESSION:BD088814
	73	14.8	0.3	18	1	BD096467	ACCESSION:BD096467
	74	14.8	0.3	18	1	CQ767063	ACCESSION:CQ767063
	75	14.8	0.3	18	1	CS038757	ACCESSION:CS038757
	76	14.8	0.3	18	1	AR215624	ACCESSION:AR215624
	77	14.8	0.3	18	1	AR266200	ACCESSION:AR266200
	78	14.8	0.3	18	1	AR570302	ACCESSION:AR570302
	79	14.8	0.3	18	1	AX599906	ACCESSION:AX599906
	80	14.6	0.3	17	1	BD002052	ACCESSION:BD002052
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c	82	14.4	0.3	16	1	AR305474	ACCESSION:AR305474
c	83	14.4	0.3	16	1	AR309578	ACCESSION:AR309578
	84	14.4	0.3	16	1	AR328470	ACCESSION:AR328470
	85	14.4	0.3	17	1	BD104506	ACCESSION:BD104506
	86	14.4	0.3	17	1	BD254227	ACCESSION:BD254227
	87	14.4	0.3	17	1	BD258255	ACCESSION:BD258255
	88	14.4	0.3	17	1	CQ616165	ACCESSION:CQ616165
	89	14.4	0.3	17	1	CQ616166	ACCESSION:CQ616166
c	90	14.4	0.3	17	1	CQ616915	ACCESSION:CQ616915
	91	14.4	0.3	17	1	CQ617907	ACCESSION:CQ617907
	92	14.4	0.3	17	1	CQ617908	ACCESSION:CQ617908
	93	14.4	0.3	17	1	AR327484	ACCESSION:AR327484
	94	14.4	0.3	17	1	AR457228	ACCESSION:AR457228
	95	14.4	0.3	17	1	AR457229	ACCESSION:AR457229
c	96	14.4	0.3	17	1	AR457978	ACCESSION:AR457978
	97	14.4	0.3	17	1	AR458970	ACCESSION:AR458970
	98	14.4	0.3	17	1	AR458971	ACCESSION:AR458971
c	99	14.4	0.3	17	1	AX474957	ACCESSION:AX474957
c	100	14.4	0.3	17	1	AX474959	ACCESSION:AX474959
c	101	14.4	0.3	17	1	AX673478	ACCESSION:AX673478
c	102	14.4	0.3	17	1	AX723269	ACCESSION:AX723269
	103	14.4	0.3	17	1	AX726161	ACCESSION:AX726161
	104	14.4	0.3	17	1	AX729224	ACCESSION:AX729224
	105	14.4	0.3	17	1	AX761086	ACCESSION:AX761086
c	106	14.4	0.3	17	1	HSRETPO7	ACCESSION:X79750

c 107	14.4	0.3	18	1	A88117	ACCESSION:A88117
c 108	14.4	0.3	18	1	A90084	ACCESSION:A90084
c 109	14.4	0.3	18	1	BD065630	ACCESSION:BD065630
c 110	14.4	0.3	18	1	CQ808206	ACCESSION:CQ808206
111	14.4	0.3	18	1	AR392161	ACCESSION:AR392161
112	14.4	0.3	18	1	AR433444	ACCESSION:AR433444
113	14.4	0.3	18	1	AR658627	ACCESSION:AR658627
c 114	14.4	0.3	18	1	AX317621	ACCESSION:AX317621
115	14.4	0.3	18	1	AX822636	ACCESSION:AX822636
116	14.4	0.3	18	1	AX826276	ACCESSION:AX826276
c 117	14	0.3	14	1	I28012	ACCESSION:I28012
c 118	14	0.3	15	1	I27995	ACCESSION:I27995
c 119	14	0.3	15	1	AR180013	ACCESSION:AR180013
c 120	14	0.3	15	1	AR180702	ACCESSION:AR180702
c 121	14	0.3	16	1	I27994	ACCESSION:I27994
122	14	0.3	16	1	AR235524	ACCESSION:AR235524
c 123	14	0.3	17	1	A11108	ACCESSION:A11108
c 124	14	0.3	17	1	BD080850	ACCESSION:BD080850
c 125	14	0.3	17	1	BD104655	ACCESSION:BD104655
c 126	14	0.3	17	1	BD254078	ACCESSION:BD254078
c 127	14	0.3	17	1	CQ616910	ACCESSION:CQ616910
128	14	0.3	17	1	I27903	ACCESSION:I27903
c 129	14	0.3	17	1	I27977	ACCESSION:I27977
c 130	14	0.3	17	1	AR193421	ACCESSION:AR193421
131	14	0.3	17	1	AR327611	ACCESSION:AR327611
c 132	14	0.3	17	1	AR362733	ACCESSION:AR362733
c 133	14	0.3	17	1	AR457973	ACCESSION:AR457973
c 134	14	0.3	17	1	AX474960	ACCESSION:AX474960
c 135	14	0.3	17	1	AX474961	ACCESSION:AX474961
136	14	0.3	17	1	AX727728	ACCESSION:AX727728
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139	13.8	0.3	17	1	A62602	ACCESSION:A62602
140	13.8	0.3	17	1	A88164	ACCESSION:A88164
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142	13.8	0.3	17	1	AR084145	ACCESSION:AR084145
143	13.8	0.3	17	1	BD065677	ACCESSION:BD065677
144	13.8	0.3	17	1	BD067486	ACCESSION:BD067486
145	13.8	0.3	17	1	BD143633	ACCESSION:BD143633
146	13.8	0.3	17	1	BD202798	ACCESSION:BD202798
147	13.8	0.3	17	1	BD203007	ACCESSION:BD203007
c 148	13.8	0.3	17	1	BD254145	ACCESSION:BD254145
c 149	13.8	0.3	17	1	BD254672	ACCESSION:BD254672
150	13.8	0.3	17	1	BD256442	ACCESSION:BD256442
151	13.8	0.3	17	1	BD256890	ACCESSION:BD256890
c 152	13.8	0.3	17	1	BD259433	ACCESSION:BD259433
c 153	13.8	0.3	17	1	CQ617576	ACCESSION:CQ617576
154	13.8	0.3	17	1	CQ617724	ACCESSION:CQ617724
155	13.8	0.3	17	1	CQ618038	ACCESSION:CQ618038
c 156	13.8	0.3	17	1	CQ621522	ACCESSION:CQ621522
c 157	13.8	0.3	17	1	CQ624495	ACCESSION:CQ624495
c 158	13.8	0.3	17	1	CQ624496	ACCESSION:CQ624496
c 159	13.8	0.3	17	1	CQ625614	ACCESSION:CQ625614
c 160	13.8	0.3	17	1	CQ625789	ACCESSION:CQ625789
c 161	13.8	0.3	17	1	CQ625790	ACCESSION:CQ625790
c 162	13.8	0.3	17	1	CQ625791	ACCESSION:CQ625791
c 163	13.8	0.3	17	1	CQ931613	ACCESSION:CQ931613
164	13.8	0.3	17	1	I46503	ACCESSION:I46503
c 165	13.8	0.3	17	1	I57029	ACCESSION:I57029
c 166	13.8	0.3	17	1	AR187306	ACCESSION:AR187306
167	13.8	0.3	17	1	AR187336	ACCESSION:AR187336
168	13.8	0.3	17	1	AR192331	ACCESSION:AR192331
c 169	13.8	0.3	17	1	AR285019	ACCESSION:AR285019
170	13.8	0.3	17	1	AR286163	ACCESSION:AR286163
171	13.8	0.3	17	1	AR286187	ACCESSION:AR286187
c 172	13.8	0.3	17	1	AR323916	ACCESSION:AR323916
173	13.8	0.3	17	1	AR323946	ACCESSION:AR323946
174	13.8	0.3	17	1	AR326201	ACCESSION:AR326201
175	13.8	0.3	17	1	AR327482	ACCESSION:AR327482
176	13.8	0.3	17	1	AR327483	ACCESSION:AR327483
177	13.8	0.3	17	1	AR327690	ACCESSION:AR327690
c 178	13.8	0.3	17	1	AR328143	ACCESSION:AR328143
179	13.8	0.3	17	1	AR328197	ACCESSION:AR328197
180	13.8	0.3	17	1	AR329383	ACCESSION:AR329383
181	13.8	0.3	17	1	AR398153	ACCESSION:AR398153
182	13.8	0.3	17	1	AR398177	ACCESSION:AR398177
183	13.8	0.3	17	1	AR401986	ACCESSION:AR401986
184	13.8	0.3	17	1	AR434081	ACCESSION:AR434081
185	13.8	0.3	17	1	AR434082	ACCESSION:AR434082
c 186	13.8	0.3	17	1	AR442183	ACCESSION:AR442183
c 187	13.8	0.3	17	1	AR458639	ACCESSION:AR458639
188	13.8	0.3	17	1	AR458787	ACCESSION:AR458787
189	13.8	0.3	17	1	AR459101	ACCESSION:AR459101
c 190	13.8	0.3	17	1	AR462585	ACCESSION:AR462585
c 191	13.8	0.3	17	1	AR465558	ACCESSION:AR465558
c 192	13.8	0.3	17	1	AR465559	ACCESSION:AR465559
c 193	13.8	0.3	17	1	AR466677	ACCESSION:AR466677
c 194	13.8	0.3	17	1	AR466852	ACCESSION:AR466852
c 195	13.8	0.3	17	1	AR466853	ACCESSION:AR466853
c 196	13.8	0.3	17	1	AR466854	ACCESSION:AR466854
c 197	13.8	0.3	17	1	AR597376	ACCESSION:AR597376
198	13.8	0.3	17	1	AR597406	ACCESSION:AR597406
199	13.8	0.3	17	1	AR599661	ACCESSION:AR599661
200	13.8	0.3	17	1	AR650079	ACCESSION:AR650079
201	13.8	0.3	17	1	AR650098	ACCESSION:AR650098
202	13.8	0.3	17	1	AR650117	ACCESSION:AR650117
c 203	13.8	0.3	17	1	AX012596	ACCESSION:AX012596
204	13.8	0.3	17	1	AX022894	ACCESSION:AX022894
205	13.8	0.3	17	1	AX022913	ACCESSION:AX022913
206	13.8	0.3	17	1	AX022932	ACCESSION:AX022932
207	13.8	0.3	17	1	AX030482	ACCESSION:AX030482
208	13.8	0.3	17	1	AX030501	ACCESSION:AX030501
209	13.8	0.3	17	1	AX030520	ACCESSION:AX030520
c 210	13.8	0.3	17	1	AX149100	ACCESSION:AX149100
c 211	13.8	0.3	17	1	AX215350	ACCESSION:AX215350
212	13.8	0.3	17	1	AX216390	ACCESSION:AX216390
c 213	13.8	0.3	17	1	AX227394	ACCESSION:AX227394
214	13.8	0.3	17	1	AX272798	ACCESSION:AX272798
215	13.8	0.3	17	1	AX423572	ACCESSION:AX423572
c 216	13.8	0.3	17	1	AX475253	ACCESSION:AX475253
c 217	13.8	0.3	17	1	AX498979	ACCESSION:AX498979
c 218	13.8	0.3	17	1	AX499699	ACCESSION:AX499699
c 219	13.8	0.3	17	1	AX500654	ACCESSION:AX500654
c 220	13.8	0.3	17	1	AX527186	ACCESSION:AX527186
c 221	13.8	0.3	17	1	AX530600	ACCESSION:AX530600
222	13.8	0.3	17	1	AX530983	ACCESSION:AX530983
223	13.8	0.3	17	1	AX530985	ACCESSION:AX530985
c 224	13.8	0.3	17	1	AX648910	ACCESSION:AX648910
c 225	13.8	0.3	17	1	AX672569	ACCESSION:AX672569
226	13.8	0.3	17	1	AX687647	ACCESSION:AX687647
c 227	13.8	0.3	17	1	AX687861	ACCESSION:AX687861
c 228	13.8	0.3	17	1	AX687957	ACCESSION:AX687957
c 229	13.8	0.3	17	1	AX687958	ACCESSION:AX687958
230	13.8	0.3	17	1	AX687973	ACCESSION:AX687973
231	13.8	0.3	17	1	AX687975	ACCESSION:AX687975
c 232	13.8	0.3	17	1	AX688665	ACCESSION:AX688665
c 233	13.8	0.3	17	1	AX688666	ACCESSION:AX688666
c 234	13.8	0.3	17	1	AX688667	ACCESSION:AX688667
c 235	13.8	0.3	17	1	AX692024	ACCESSION:AX692024
c 236	13.8	0.3	17	1	AX722776	ACCESSION:AX722776
237	13.8	0.3	17	1	AX735152	ACCESSION:AX735152
238	13.8	0.3	17	1	AX737396	ACCESSION:AX737396
239	13.8	0.3	17	1	AX739251	ACCESSION:AX739251
c 240	13.8	0.3	17	1	AX760530	ACCESSION:AX760530
241	13.8	0.3	17	1	AX781842	ACCESSION:AX781842
c 242	13.8	0.3	17	1	AX782255	ACCESSION:AX782255
243	13.8	0.3	17	1	AX783675	ACCESSION:AX783675
244	13.8	0.3	17	1	AX783831	ACCESSION:AX783831
c 245	13.8	0.3	17	1	AX783906	ACCESSION:AX783906
c 246	13.8	0.3	17	1	AX801932	ACCESSION:AX801932
247	13.8	0.3	17	1	BD002054	ACCESSION:BD002054

ALIGNMENTS

```
RESULT 1
AX162487/c
LOCUS       AX162487                  50 bp    DNA     linear   PAT 22-JUN-2001
DEFINITION  Sequence 5815 from Patent WO0140521.
ACCESSION   AX162487
VERSION     AX162487.1  GI:14543818
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shimkets,R.A. and Leach,M.
  TITLE     Nucleic acids containing single nucleotide polymorphisms and
            methods of use thereof
  JOURNAL   Patent: WO 0140521-A 5815 07-JUN-2001;
            Curagen Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .50
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
     misc_feature    25. .26
                     /note="Nucleotide deleted between bases 25 and 26
                     Accession number cg44036050"
     misc_feature    26
                     /note="1 of 2 allelic variants (5816 is other entry)"

  Query Match             1.2%;  Score 50;  DB 1;  Length 50;
  Best Local Similarity   100.0%;  Pred. No. 0.00018;
  Matches   50;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3829 CCAGCTGCTGCCTTCATATTGAAGGTTTTGAGTTTGTTTTTGGTCTTA 3878
             ||||||||||||||||||||||||||||||||||||||||||||||||||
Db         50 CCAGCTGCTGCCTTCATATTGAAGGTTTTGAGTTTGTTTTTGGTCTTA 1


RESULT 2
AR404118/c
LOCUS       AR404118                  24 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 3 from patent US 6627733.
ACCESSION   AR404118
VERSION     AR404118.1  GI:40152138
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Johnson,J.D., Rutter,W.J. and Edman,J.C.
  TITLE     Receptor tyrosine kinase with a discoidin-type binding domain
  JOURNAL   Patent: US 6627733-A 3 30-SEP-2003;
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.5%;  Score 20.4;  DB 1;  Length 24;
  Best Local Similarity   75.0%;  Pred. No. 15;
  Matches   18;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2587 CACCGAGACCTGGCTGCTCGCAAC 2610
              ||:|| ||:|||||:|||:|||
Db         24 CAYCGSGAYCTGGCYGCYCGSAAC 1


RESULT 3
AX961631
LOCUS       AX961631                  24 bp    DNA     linear   PAT 14-JAN-2004
DEFINITION  Sequence 26 from Patent WO03101375.
ACCESSION   AX961631
VERSION     AX961631.1  GI:40881089
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Lopez,R.A.
  TITLE     Immunostimulatory oligonucleotides and uses thereof
  JOURNAL   Patent: WO 03101375-A 26 11-DEC-2003;
            IMMUNOTECH S.A. (AR)
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Immunostimulatory oligonucleotide"

  Query Match             0.5%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 25;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       3897 TTTTTGTTTCTTCGTTTTGTTTTT 3920
              ||||| ||| ||| ||||||||||
Db          1 TTTTTTTTTTTTCATTTTGTTTTT 24


RESULT 4
AX961678
LOCUS       AX961678                  24 bp    DNA     linear   PAT 14-JAN-2004
DEFINITION  Sequence 73 from Patent WO03101375.
ACCESSION   AX961678
VERSION     AX961678.1  GI:40881136
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Lopez,R.A.
  TITLE     Immunostimulatory oligonucleotides and uses thereof
  JOURNAL   Patent: WO 03101375-A 73 11-DEC-2003;
            IMMUNOTECH S.A. (AR)
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Immunostimulatory oligonucleotide"

  Query Match             0.5%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 25;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       3897 TTTTTGTTTCTTCGTTTTGTTTTT 3920
              ||||| ||| ||| ||||||||||
Db          1 TTTTTTTTTTTTCATTTTGTTTTT 24


RESULT 5
CS081426
LOCUS       CS081426                  22 bp    DNA     linear   PAT 18-MAY-2005
DEFINITION  Sequence 9 from Patent WO2005040415.
ACCESSION   CS081426
VERSION     CS081426.1  GI:66348752
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   McCullough,K. and Wolfgang,C.D.
  TITLE     Use of genetic polymorphisms to predict drug-induced hepatotoxicity
  JOURNAL   Patent: WO 2005040415-A 9 06-MAY-2005;
            Novartis AG (CH); Novartis Pharma GmbH (AT)
FEATURES             Location/Qualifiers
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     source          1. .22
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
     primer_bind     1. .22
                     /note="PCR primer 2D6L3F"

  Query Match             0.4%;  Score 18.8;  DB 1;  Length 22;
  Best Local Similarity   90.9%;  Pred. No. 24;
  Matches   20;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3716 GGGGCAAGAAGGGGTGTCAGGG 3737
              | |||||||||| |||||||||
Db          1 GAGGCAAGAAGGAGTGTCAGGG 22


RESULT 6
AX598499
LOCUS       AX598499                 22 bp    DNA     linear   PAT 14-FEB-2003
DEFINITION  Sequence 773 from Patent WO0244994.
ACCESSION   AX598499
VERSION     AX598499.1  GI:28398677
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Brower,A., Brow,M.A., Cracauer,R.F., Fors,L., Granske,R., de arruda
            Indig,M., Kurensky,D., Luedtke,C., Lukowiak,A.A., Lyamichev,V.,
            Neri,B.P., Reimer,N.D., Roeven,R.T., Skrzypczynski,Z., Ziarno,W.A.,
            Comerford,J., Stump,S. and Viegut,D.D.
  TITLE     Systems and method for detection assay production and sale
  JOURNAL   Patent: WO 0244994-A 773 06-JUN-2002;
            THIRD WAVE TECHNOLOGIES, INC. (US)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.4%;  Score 18.8;  DB 1;  Length 22;
  Best Local Similarity   90.9%;  Pred. No. 24;
  Matches   20;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3716 GGGGCAAGAAGGGGTGTCAGGG 3737
              | |||||||||| |||||||||
Db          1 GAGGCAAGAAGGAGTGTCAGGG 22


RESULT 7
CS016268
LOCUS       CS016268                 23 bp    DNA     linear   PAT 11-FEB-2005
DEFINITION  Sequence 7 from Patent WO2005007852.
ACCESSION   CS016268
VERSION     CS016268.1  GI:59675823
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Davis,J.C. and Hogan,M.
  TITLE     Room temperature elution of nucleic acids
  JOURNAL   Patent: WO 2005007852-A 7 27-JAN-2005;
            Genvault Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Description of Artificial Sequence: Primer
                     sequence"

  Query Match             0.4%;  Score 18.4;  DB 1;  Length 23;
  Best Local Similarity   95.0%;  Pred. No. 32;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3720 CAAGAAGGGGTGTCAGGGCC 3739
              |||||||| ||||||||||
Db          1 CAAGAAGGAGTGTCAGGGCC 20


RESULT 8
AR163843
LOCUS       AR163843                 20 bp    DNA     linear   PAT 17-OCT-2001
DEFINITION  Sequence 41 from patent US 6271030.
ACCESSION   AR163843
VERSION     AR163843.1  GI:16234625
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Monia,B.P., Butler,M.M. and Wyatt,J.
  TITLE     Antisense inhibition of C/EBP beta expression
  JOURNAL   Patent: US 6271030-A 41 07-AUG-2001;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 17.4;  DB 1;  Length 20;
  Best Local Similarity   94.7%;  Pred. No. 36;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        214 GCCGCCGCCCGGTGCCCCG 232
              |||||||||||| ||||||
Db          1 GCCGCCGCCCGGCGCCCCG 19


RESULT 9
A27173
LOCUS       A27173                   20 bp    DNA     linear   PAT 23-JUN-1995
DEFINITION  Synthetic oligonucleotide primer.
ACCESSION   A27173
VERSION     A27173.1  GI:1248377
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   .
  TITLE     CLONING OF A NEW MEMBER OF THE FIBROBLAST GROWTH FACTOR (FGF)
            RECEPTOR FAMILY
  JOURNAL   Patent: WO 9213948-A 3 20-AUG-1992;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.4%;  Score 17;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 42;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2584 GTCCACCGAGACCTGGC 2600
              |||||||||||||||||
Db          4 GTCCACCGAGACCTGGC 20


RESULT 10
CS011833/c
LOCUS       CS011833                 20 bp    DNA     linear   PAT 11-FEB-2005
DEFINITION  Sequence 1758 from Patent WO2005007144.
ACCESSION   CS011833
VERSION     CS011833.1  GI:59671648
KEYWORDS    .
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SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Hakonarson,H., Gurney,M.E. and Halapi,E.
  TITLE     Methods of diagnosis and treatment for asthma based on haplotype
            association
  JOURNAL   Patent: WO 2005007144-A 1758 27-JAN-2005;
            Decode Genetics EHF. (IS)
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 46;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2065 AGGAAGCAGAGCAATGGGAG 2084
              |||||| ||||||| |||||
Db         20 AGGAAGGAGAGCAAAGGGAG 1


RESULT 11
AR271110/c
LOCUS       AR271110                  20 bp    DNA     linear   PAT 10-APR-2003
DEFINITION  Sequence 53 from patent US 6503152.
ACCESSION   AR271110
VERSION     AR271110.1  GI:29702413
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Pelz,D.T.
  TITLE     Putting trainer
  JOURNAL   Patent: US 6503152-A 53 07-JAN-2003;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 46;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2642 TGTCTGACTTTGGCCTTTCC 2661
              ||| ||||||||| ||||||
Db         20 TGTGTGACTTTGGGCTTTCC 1


RESULT 12
AX020539
LOCUS       AX020539                  20 bp    DNA     linear   PAT 07-SEP-2000
DEFINITION  Sequence 39 from Patent WO9934016.
ACCESSION   AX020539
VERSION     AX020539.1  GI:10044229
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Vider,B.Z.
  TITLE     A method for identifying and characterizing cells and tissues
  JOURNAL   Patent: WO 9934016-A 39 08-JUL-1999;
            GENENA LTD (IL); VIDER BEN ZION (IL)
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 46;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2638 AAAGTGTCTGACTTTGGCCT 2657
              ||||| || ||||||||||||
Db          1 AAAGTCTCAGACTTTGGCCT 20


RESULT 13
AR139574/c
LOCUS       AR139574                  21 bp    DNA     linear   PAT 16-JUN-2001
DEFINITION  Sequence 91 from patent US 6207383.
ACCESSION   AR139574
VERSION     AR139574.1  GI:14482070
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Keating,M.T. and Splawski,I.
  TITLE     Mutations in and genomic structure of HERG--a long QT syndrome gene
  JOURNAL   Patent: US 6207383-A 91 27-MAR-2001;
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 21;
  Best Local Similarity   90.0%;  Pred. No. 51;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2018 GTGTGGTCCTGGTCCTGGTG 2037
              || |||||| ||||||||||
Db         20 GTCTGGTCCAGGTCCTGGTG 1


RESULT 14
BD223663/c
LOCUS       BD223663                  21 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Mutations in and genomic structure of HERG - a long QT syndrome
            gene.
ACCESSION   BD223663
VERSION     BD223663.1  GI:33033433
KEYWORDS    JP 2002521065-A/89.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Keating,M.T. and Splawski,I.
  TITLE     Mutations in and genomic structure of HERG - a long QT syndrome
            gene
  JOURNAL   Patent: JP 2002521065-A 89 16-JUL-2002;
            UNIVERSITY OF UTAH RESEARCH FOUNDATION
COMMENT     OS   Homo sapiens (human)
            PN   JP 2002521065-A/89
            PD   16-JUL-2002
            PF   20-JUL-1999 JP 2000562554
            PR   27-JUL-1998 US    09/122847,06-JAN-1999 US    09/226012 PI
            MARK T KEATING,IGOR SPLAWSKI
            PC   C12N15/09,A01K67/027,C07K14/47,C07K16/18,C12N1/15,C12N1/19, PC
              C12N1/21,
            PC
            C12N5/10,C12N5/10,C12Q1/02,C12Q1/68,G01N33/15,G01N33/50,G01N33/ PC
             53,
            PC   G01N33/53,G01N33/566,G01N33/577//C12P21/08,C12N15/00,C12N5/00,
            PC   C12N5/00
```

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          CC   Mutations in and genomic structure of HERG - a long QT  CC
            syndrome gene
          FH   Key             Location/Qualifiers
          FT   source          1. .21
          FT                   /organism='Homo sapiens (human)'.
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 21;
  Best Local Similarity   90.0%;  Pred. No. 51;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2018 GTGTGGTCCTGGTCCTGGTG 2037
              || |||||| ||||||||||
Db         20 GTCTGGTCCAGGTCCTGGTG 1


RESULT 15
CS124289/c
LOCUS       CS124289                  21 bp    DNA     linear   PAT 21-JUL-2005
DEFINITION  Sequence 91 from Patent EP1553190.
ACCESSION   CS124289
VERSION     CS124289.1  GI:71057372
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Keating,M.T.
  TITLE     Mutations in and genomic structure of HERG - a long QT syndrome
            gene
  JOURNAL   Patent: EP 1553190-A 91 13-JUL-2005;
            The University of Utah Research Foundation (US)
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 21;
  Best Local Similarity   90.0%;  Pred. No. 51;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2018 GTGTGGTCCTGGTCCTGGTG 2037
              || |||||| ||||||||||
Db         20 GTCTGGTCCAGGTCCTGGTG 1


RESULT 16
AX020764/c
LOCUS       AX020764                  21 bp    DNA     linear   PAT 07-SEP-2000
DEFINITION  Sequence 264 from Patent WO9934016.
ACCESSION   AX020764
VERSION     AX020764.1  GI:10044463
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Vider,B.Z.
  TITLE     A method for identifying and characterizing cells and tissues
  JOURNAL   Patent: WO 9934016-A 264 08-JUL-1999;
            GENENA LTD (IL); VIDER BEN ZION (IL)
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16.8;  DB 1;  Length 21;
  Best Local Similarity   90.0%;  Pred. No. 51;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2776 AGTGATGCCTGGAGTTACGG 2795
              ||||||| |||||| |||||
Db         21 AGTGATGTCTGGAGCTACGG 2


RESULT 17
AR242045
LOCUS       AR242045                  18 bp    DNA     linear   PAT 20-DEC-2002
DEFINITION  Sequence 333 from patent US 6472154.
ACCESSION   AR242045
VERSION     AR242045.1  GI:27287857
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
  TITLE     Polymorphic repeats in human genes
  JOURNAL   Patent: US 6472154-A 333 29-OCT-2002;
            Board of Regents, The University of Texas System; Austin, TX
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 18;
  Best Local Similarity   94.4%;  Pred. No. 43;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1069 GGCCCCAGCCCCAGCCTC 1086
              ||||||||| ||||||||
Db          1 GGCCCCAGCTCCAGCCTC 18


RESULT 18
A17922/c
LOCUS       A17922                    20 bp    DNA     linear   PAT 20-APR-1994
DEFINITION  oligonucleotide primer.
ACCESSION   A17922
VERSION     A17922.1  GI:513117
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Meyer,U.A.
  TITLE     Detection of poor metabolizers of drugs
  JOURNAL   Patent: EP 0463395-A 13 02-JAN-1992;
            F. HOFFMANN-LA ROCHE AG
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 54;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3722 AGAAGGGGTGTCAGGGCC 3739
              |||||| ||||||||||
Db         20 AGAAGGAGTGTCAGGGCC 3


RESULT 19
AR063227/c
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LOCUS       AR063227                20 bp    DNA     linear   PAT 29-SEP-1999
DEFINITION  Sequence 6 from patent US 5844108.
ACCESSION   AR063227
VERSION     AR063227.1  GI:5990918
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Meyer,U.Albert.
  TITLE     Primers targeted to NAT2 gene for detection of poor metabolizers of
            drugs
  JOURNAL   Patent: US 5844108-A 6 01-DEC-1998;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 54;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3722 AGAAGGGGTGTCAGGGCC 3739
              |||||| ||||||||||
Db         20 AGAAGGAGTGTCAGGGCC 3


RESULT 20
I56128/c
LOCUS       I56128                  20 bp    DNA     linear   PAT 07-OCT-1997
DEFINITION  Sequence 6 from patent US 5648482.
ACCESSION   I56128
VERSION     I56128.1  GI:2476922
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Meyer,U.Albert.
  TITLE     Primers targeted to CYP2D6 gene for detecting poor metabolizers of
            drugs
  JOURNAL   Patent: US 5648482-A 6 15-JUL-1997;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 54;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3722 AGAAGGGGTGTCAGGGCC 3739
              |||||| ||||||||||
Db         20 AGAAGGAGTGTCAGGGCC 3


RESULT 21
I56528/c
LOCUS       I56528                  20 bp    DNA     linear   PAT 07-OCT-1997
DEFINITION  Sequence 3 from patent US 5649638.
ACCESSION   I56528
VERSION     I56528.1  GI:2476941
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Roy,R. and Paris,M.-C.
  TITLE     Device enabling two containers to be joined with each other and
            container having such a device
  JOURNAL   Patent: US 5649638-A 3 22-JUL-1997;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 54;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3722 AGAAGGGGTGTCAGGGCC 3739
              |||||| ||||||||||
Db         20 AGAAGGAGTGTCAGGGCC 3


RESULT 22
AR311563/c
LOCUS       AR311563                20 bp    DNA     linear   PAT 12-JUN-2003
DEFINITION  Sequence 2100 from patent US 6559294.
ACCESSION   AR311563
VERSION     AR311563.1  GI:31704989
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Griffais,R., Hoiseth,S.K., Zagursky,R.J., Metcalf,B.J., Peek,J.A.,
            Sankaran,B. and Fletcher,L.D.
  TITLE     Chlamydia pneumoniae polynucleotides and uses thereof
  JOURNAL   Patent: US 6559294-A 2100 06-MAY-2003;
            Genset, S.A.;;
            FRX;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 54;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3134 AAATGGGAAGATACGAAG 3151
              |||||||||||| |||||
Db         19 AAATGGGAAGATCCGAAG 2


RESULT 23
AX673481/c
LOCUS       AX673481                17 bp    DNA     linear   PAT 27-MAR-2003
DEFINITION  Sequence 1926 from Patent WO03004526.
ACCESSION   AX673481
VERSION     AX673481.1  GI:29331829
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
  JOURNAL   Patent: WO 03004526-A 1926 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 45;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3469 TTTGGAGAGACAGGAT 3484
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                    ||||||||||||||||
Db         17 TTTGGAGAGACAGGAT 2


RESULT 24
AX731716/c
LOCUS       AX731716                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 3350 from Patent WO03025175.
ACCESSION   AX731716
VERSION     AX731716.1  GI:30511059
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025175-A 3350 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 45;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3469 TTTGGAGAGACAGGAT 3484
                ||||||||||||||||
Db         17 TTTGGAGAGACAGGAT 2


RESULT 25
AX735184/c
LOCUS       AX735184                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 774 from Patent WO03025177.
ACCESSION   AX735184
VERSION     AX735184.1  GI:30514461
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
  JOURNAL   Patent: WO 03025177-A 774 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 45;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3469 TTTGGAGAGACAGGAT 3484
                ||||||||||||||||
Db         17 TTTGGAGAGACAGGAT 2


RESULT 26
AX744419/c
LOCUS       AX744419                  17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 384 from Patent WO03031621.
ACCESSION   AX744419
VERSION     AX744419.1  GI:30723086
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 384 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 45;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1190 CCCAGGGCACCTTCAA 1205
                ||||||||||||||||
Db         17 CCCAGGGCACCTTCAA 2


RESULT 27
AX744420/c
LOCUS       AX744420                  17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 385 from Patent WO03031621.
ACCESSION   AX744420
VERSION     AX744420.1  GI:30723087
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 385 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 45;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1190 CCCAGGGCACCTTCAA 1205
                ||||||||||||||||
Db         16 CCCAGGGCACCTTCAA 1


RESULT 28
AR570744/c
LOCUS       AR570744                  19 bp    DNA     linear   PAT 14-DEC-2004
DEFINITION  Sequence 72 from patent US 6770633.
ACCESSION   AR570744
VERSION     AR570744.1  GI:56571636
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
```

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REFERENCE   1  (bases 1 to 19)
  AUTHORS   Robbins,J.M. and Tritz,R.
  TITLE     Ribozyme therapy for the treatment of proliferative skin and eye
            diseases
  JOURNAL   Patent: US 6770633-A 72 03-AUG-2004;
            Immusol, Inc.; San Diego, CA
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 16;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4188 CTTTTTGTATAAATAA 4203
              ||||||||||||||||
Db         19 CTTTTTGTATAAATAA 4


RESULT 29
AR570745/c
LOCUS       AR570745                  19 bp    DNA     linear   PAT 14-DEC-2004
DEFINITION  Sequence 73 from patent US 6770633.
ACCESSION   AR570745
VERSION     AR570745.1  GI:56571637
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Robbins,J.M. and Tritz,R.
  TITLE     Ribozyme therapy for the treatment of proliferative skin and eye
            diseases
  JOURNAL   Patent: US 6770633-A 73 03-AUG-2004;
            Immusol, Inc.; San Diego, CA
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 16;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4188 CTTTTTGTATAAATAA 4203
              ||||||||||||||||
Db         17 CTTTTTGTATAAATAA 2


RESULT 30
AX128854/c
LOCUS       AX128854                  19 bp    DNA     linear   PAT 15-MAY-2001
DEFINITION  Sequence 72 from Patent WO0130362.
ACCESSION   AX128854
VERSION     AX128854.1  GI:14135159
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Robbins,J.M. and Tritz,R.
  TITLE     Ribozyme therapy for the treatment of proliferative skin and eye
            diseases
  JOURNAL   Patent: WO 0130362-A 72 03-MAY-2001;
            IMMUSOL, INC. (US)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
                     /note="Cdk1 ribozyme binding site"

  Query Match             0.4%;  Score 16;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4188 CTTTTTGTATAAATAA 4203
              ||||||||||||||||
Db         19 CTTTTTGTATAAATAA 4


RESULT 31
AX128855/c
LOCUS       AX128855                  19 bp    DNA     linear   PAT 15-MAY-2001
DEFINITION  Sequence 73 from Patent WO0130362.
ACCESSION   AX128855
VERSION     AX128855.1  GI:14135160
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Robbins,J.M. and Tritz,R.
  TITLE     Ribozyme therapy for the treatment of proliferative skin and eye
            diseases
  JOURNAL   Patent: WO 0130362-A 73 03-MAY-2001;
            IMMUSOL, INC. (US)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
                     /note="Cdk1 ribozyme binding site"

  Query Match             0.4%;  Score 16;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4188 CTTTTTGTATAAATAA 4203
              ||||||||||||||||
Db         17 CTTTTTGTATAAATAA 2


RESULT 32
AX378628
LOCUS       AX378628                  19 bp    DNA     linear   PAT 18-MAR-2002
DEFINITION  Sequence 417 from Patent WO0206525.
ACCESSION   AX378628
VERSION     AX378628.1  GI:19574481
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Cohen,D., Blumenfeld,M., Chumakov,I., Abderrahim,H. and Bihain,B.
  TITLE     Obesity associated biallelic marker maps
  JOURNAL   Patent: WO 0206525-A 417 24-JAN-2002;
            GENSET (FR)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
     primer_bind     1. .19
                     /note="downstream amplification primer 99-38897 for SEQ
                     75, in complement"

  Query Match             0.4%;  Score 16;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 57;
```

```
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4117 TAGTTGGTGGTGGAAC 4132
              ||||||||||||||||
Db          1 TAGTTGGTGGTGGAAC 16


RESULT 33
AR063168
LOCUS       AR063168                 19 bp    DNA     linear   PAT 29-SEP-1999
DEFINITION  Sequence 22 from patent US 5844092.
ACCESSION   AR063168
VERSION     AR063168.1  GI:5990859
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Presta,L.G., Shelton,D.L. and Urfer,R.
  TITLE     Human TRK receptors and neurotrophic factor inhibitors
  JOURNAL   Patent: US 5844092-A 22 01-DEC-1998;
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3539 ACTCCAGACCAAGGGTGAG 3557
              || |||| ||||||||||
Db          1 ACGCCAGGCCAAGGGTGAG 19


RESULT 34
AR071364
LOCUS       AR071364                 19 bp    DNA     linear   PAT 18-FEB-2000
DEFINITION  Sequence 22 from patent US 5910574.
ACCESSION   AR071364
VERSION     AR071364.1  GI:7222252
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Presta,L.G., Shelton,D.L. and Urfer,R.
  TITLE     Human trk receptors and neurotrophic factor inhibitors
  JOURNAL   Patent: US 5910574-A 22 08-JUN-1999;
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3539 ACTCCAGACCAAGGGTGAG 3557
              || |||| ||||||||||
Db          1 ACGCCAGGCCAAGGGTGAG 19


RESULT 35
AR119350
LOCUS       AR119350                 19 bp    DNA     linear   PAT 16-MAY-2001
DEFINITION  Sequence 22 from patent US 6153189.
ACCESSION   AR119350
VERSION     AR119350.1  GI:14102049
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Presta,L.G., Shelton,D.L. and Ufer,R.
  TITLE     Human TRK receptors and neurotrophic factor inhibitors
  JOURNAL   Patent: US 6153189-A 22 28-NOV-2000;
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3539 ACTCCAGACCAAGGGTGAG 3557
              || |||| ||||||||||
Db          1 ACGCCAGGCCAAGGGTGAG 19


RESULT 36
AX427040
LOCUS       AX427040                 19 bp    DNA     linear   PAT 18-JUN-2002
DEFINITION  Sequence 4 from Patent WO0196604.
ACCESSION   AX427040
VERSION     AX427040.1  GI:21530423
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Bee,G., Kohne,D.E., Korb,L., Peterson,T. and Yguerabide,J.
  TITLE     Assay for genetic polymorphisms using scattered light detectable
            labels
  JOURNAL   Patent: WO 0196604-A 4 20-DEC-2001;
            Genicon Sciences Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Primer"

  Query Match             0.4%;  Score 15.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1947 CCAGACCCAACTGGATGAG 1965
              || |||||| |||||||||
Db          1 CCTGACCCAGCTGGATGAG 19


RESULT 37
AX440559/c
LOCUS       AX440559                 19 bp    DNA     linear   PAT 28-JUN-2002
DEFINITION  Sequence 63 from Patent WO0206529.
ACCESSION   AX440559
VERSION     AX440559.1  GI:21665360
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Germino,G.G., Watnick,T.J. and Phakdeekitcharoen,B.
  TITLE     Detection and treatment of polycystic kidney disease
  JOURNAL   Patent: WO 0206529-A 63 24-JAN-2002;
            The Johns Hopkins UNiversity School of Medicine (US)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="PCR primer 13R"

  Query Match             0.4%;  Score 15.8;  DB 1;  Length 19;
```

```
  Best Local Similarity   89.5%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1068 TGGCCCCAGCCCCAGCCTC 1086
              | | ||||||||||||||||
Db         19 TTGTCCCAGCCCCAGCCTC 1


RESULT 38
AR057744
LOCUS       AR057744                  17 bp    DNA     linear   PAT 29-SEP-1999
DEFINITION  Sequence 1948 from patent US 5837542.
ACCESSION   AR057744
VERSION     AR057744.1  GI:5983321
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
            Draper,K.G.
  TITLE     Intercellular adhesion molecule-1 (ICAM-1) ribozymes
  JOURNAL   Patent: US 5837542-A 1948 17-NOV-1998;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1218 AGAAGGGTCCTGCCAGC 1234
              ||||||||||||| |||
Db          1 AGAAGGGTCCTGCAAGC 17


RESULT 39
AR115502
LOCUS       AR115502                  17 bp    DNA     linear   PAT 16-MAY-2001
DEFINITION  Sequence 1948 from patent US 6132967.
ACCESSION   AR115502
VERSION     AR115502.1  GI:14095824
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
            Draper,K.G.
  TITLE     Ribozyme treatment of diseases or conditions related to levels of
            intercellular adhesion molecule-1 (ICAM-1)
  JOURNAL   Patent: US 6132967-A 1948 17-OCT-2000;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1218 AGAAGGGTCCTGCCAGC 1234
              ||||||||||||| |||
Db          1 AGAAGGGTCCTGCAAGC 17


RESULT 40
BD258254
LOCUS       BD258254                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD258254
VERSION     BD258254.1  GI:33068024
KEYWORDS    JP 2002541795-A/6047.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 6047 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/6047
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1566 TCCTGACTTCACCTATA 1582
              |||||||||||| |||||
Db          1 TCCTGACTTCAACTATA 17


RESULT 41
CQ616913/c
LOCUS       CQ616913                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1653 from Patent WO0192524.
ACCESSION   CQ616913
VERSION     CQ616913.1  GI:41667131
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1653 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3966 TATGGCCTCCTTTGCCC 3982
              | ||||||||||||||||
Db         17 TCTGGCCTCCTTTGCCC 1
```

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RESULT 42
CQ616914/c
LOCUS       CQ616914                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1654 from Patent WO0192524.
ACCESSION   CQ616914
VERSION     CQ616914.1  GI:41667132
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1654 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3965 CTATGGCCTCCTTTGCC 3981
              || |||||||||||||||
Db         17 CTCTGGCCTCCTTTGCC 1


RESULT 43
CS003951
LOCUS       CS003951                  17 bp    DNA     linear   PAT 07-FEB-2005
DEFINITION  Sequence 1979 from Patent EP1502950.
ACCESSION   CS003951
VERSION     CS003951.1  GI:58739306
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1
  AUTHORS   Stinchcomb,D.T., Chowrira,B., Direnzo,A., Draper,K.G., Dudycz,L.W.,
            Grimm,S., Karpeisky,A., Kisich,K., Matulic-Adamic,J.,
            McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
            Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
            Woolf,T.
  TITLE     Method for purifying chemically modified RNA
  JOURNAL   Patent: EP 1502950-A 1979 02-FEB-2005;
            Ribozyme Pharmaceuticals, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1218 AGAAGGGTCCTGCCAGC 1234
              ||||||||||||| |||
Db          1 AGAAGGGTCCTGCAAGC 17


RESULT 44
AR457976/c
LOCUS       AR457976                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1653 from patent US 6686188.
ACCESSION   AR457976
VERSION     AR457976.1  GI:42693033
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 1653 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3966 TATGGCCTCCTTTGCCC 3982
              | |||||||||||||||
Db         17 TCTGGCCTCCTTTGCCC 1


RESULT 45
AR457977/c
LOCUS       AR457977                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1654 from patent US 6686188.
ACCESSION   AR457977
VERSION     AR457977.1  GI:42693034
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 1654 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3965 CTATGGCCTCCTTTGCC 3981
              || |||||||||||||||
Db         17 CTCTGGCCTCCTTTGCC 1


RESULT 46
AX266555
LOCUS       AX266555                  17 bp    DNA     linear   PAT 26-OCT-2001
DEFINITION  Sequence 3946 from Patent WO0173002.
ACCESSION   AX266555
VERSION     AX266555.1  GI:16515354
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
```

```
  AUTHORS   Kmiec,E.B., Gamper,H.B. and Rice,M.C.
  TITLE     Targeted chromosomal genomic alterations with modified single
            stranded oligonucleotides
  JOURNAL   Patent: WO 0173002-A 3946 04-OCT-2001;
            UNIVERSITY OF DELAWARE (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2319 CCTGAAGGGTGGCTACA 2335
              |||| ||||||||||||
Db          1 CCTGGAGGGTGGCTACA 17


RESULT 47
AX266556/c
LOCUS       AX266556                  17 bp    DNA     linear   PAT 26-OCT-2001
DEFINITION  Sequence 3947 from Patent WO0173002.
ACCESSION   AX266556
VERSION     AX266556.1  GI:16515355
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Kmiec,E.B., Gamper,H.B. and Rice,M.C.
  TITLE     Targeted chromosomal genomic alterations with modified single
            stranded oligonucleotides
  JOURNAL   Patent: WO 0173002-A 3947 04-OCT-2001;
            UNIVERSITY OF DELAWARE (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2319 CCTGAAGGGTGGCTACA 2335
              |||| ||||||||||||
Db         17 CCTGGAGGGTGGCTACA 1


RESULT 48
AX474958/c
LOCUS       AX474958                  17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 179 from Patent WO0224750.
ACCESSION   AX474958
VERSION     AX474958.1  GI:22214243
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 179 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4039 CCACATCCCCGGACCCC 4055
              ||||||||||||| ||
Db         17 CCACATCCCCGGACTCC 1


RESULT 49
AX634840
LOCUS       AX634840                  17 bp    RNA     linear   PAT 21-FEB-2003
DEFINITION  Sequence 1979 from Patent EP1260586.
ACCESSION   AX634840
VERSION     AX634840.1  GI:28470454
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A.,
            Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
            Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
            Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
            Woolf,T.
  TITLE     Method and reagent for inhibiting the expression of disease related
            genes
  JOURNAL   Patent: EP 1260586-A 1979 27-NOV-2002;
            RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32644"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 57;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1218 AGAAGGGTCCTGCCAGC 1234
              ||||||||||||| |||
Db          1 AGAAGGGTCCTGCAAGC 17


RESULT 50
CQ857992
LOCUS       CQ857992                  18 bp    DNA     linear   PAT 31-AUG-2004
DEFINITION  Sequence 51 from Patent WO2004069189.
ACCESSION   CQ857992
VERSION     CQ857992.1  GI:51852097
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Branch,R.A. and Romkes,M.
  TITLE     Methods of assessment of drug metabolizing enzymes
  JOURNAL   Patent: WO 2004069189-A 51 19-AUG-2004;
            Innovaceuticals, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Description of Artificial Sequence: Synthetic
                     oligonucleotide"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 65;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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Qy       3718 GGCAAGAAGGGGTGTCA 3734
              ||||||||||  ||||||
Db          2 GGCAAGAAGGAGTGTCA 18


RESULT 51
CS049505/c
LOCUS       CS049505                  19 bp    RNA     linear   PAT 22-MAR-2005
DEFINITION  Sequence 609 from Patent WO2005019453.
ACCESSION   CS049505
VERSION     CS049505.1  GI:61855127
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   McSwiggen,J., Morrissey,D., Zinnen,S., Jadhav,V. and Vaish,N.
  TITLE     RNA interference mediated inhibition of gene expression using
            chemically modified short interfering Nucleic Acid (siNA)
  JOURNAL   Patent: WO 2005019453-A 609 03-MAR-2005;
            Sirna Therapeutics, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"
                     /note="Description of Artificial Sequence: siNA antisense
                     region"
     misc_feature    2. .3
                     /note="2#-deoxy-2#-Fluoro"
     misc_feature    6
                     /note="2#-deoxy-2#-Fluoro"
     misc_feature    9. .11
                     /note="2#-deoxy-2#-Fluoro"
     misc_feature    14
                     /note="2#-deoxy-2#-Fluoro"
     misc_feature    16
                     /note="2#-deoxy-2#-Fluoro"

  Query Match             0.4%;  Score 15.4;  DB 1;  Length 19;
  Best Local Similarity   94.1%;  Pred. No. 73;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2931 CATGCTGGACTGTTGGC 2947
              |||||||||||| ||||
Db         17 CATGCTGGACTGCTGGC 1


RESULT 52
AR129565/c
LOCUS       AR129565                  17 bp    DNA     linear   PAT 16-MAY-2001
DEFINITION  Sequence 15 from patent US 6187534.
ACCESSION   AR129565
VERSION     AR129565.1  GI:14117462
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Strom,T.B., Vasconcellos,L. and Suthanthiran,M.
  TITLE     Methods of evaluating transplant rejection
  JOURNAL   Patent: US 6187534-A 15 13-FEB-2001;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3961 TTCACTATGGCCTCC 3975
              |||||||||||||||
Db         15 TTCACTATGGCCTCC 1


RESULT 53
BD081278/c
LOCUS       BD081278                  17 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  Method of evaluating rejection of transplanted tissue.
ACCESSION   BD081278
VERSION     BD081278.1  GI:22626881
KEYWORDS    JP 2001517459-A/15.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Strom,T.B., Vasconcellos,L. and Suthanthiran,M.
  TITLE     Method of evaluating rejection of transplanted tissue
  JOURNAL   Patent: JP 2001517459-A 15 09-OCT-2001;
            BETH ISRAEL DEACONESS MEDICAL CENTER, CORNELL RESEARCH FOUNDATION
            INC
COMMENT     OS   Homo sapiens (human)
            PN   JP 2001517459-A/15
            PD   09-OCT-2001
            PF   22-SEP-1998 JP 2000512987
            PR   24-SEP-1997 US    08/937063
            PI   TERRY B STROM,LAURO VASCONCELLOS,MANIKKAM SUTHANTHIRAN PC
            C12Q1/68,C12N15/09,G01N33/50,C12N15/00
            CC   Method of evaluating rejection of transplanted tissue FH   Key
                      Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Homo sapiens (human)'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3961 TTCACTATGGCCTCC 3975
              |||||||||||||||
Db         15 TTCACTATGGCCTCC 1


RESULT 54
CQ616911/c
LOCUS       CQ616911                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1651 from Patent WO0192524.
ACCESSION   CQ616911
VERSION     CQ616911.1  GI:41667129
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1651 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
```

```
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3968 TGGCCTCCTTTGCCC 3982
              |||||||||||||||
Db         17 TGGCCTCCTTTGCCC 3


RESULT 55
CQ616912/c
LOCUS       CQ616912                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1652 from Patent WO0192524.
ACCESSION   CQ616912
VERSION     CQ616912.1  GI:41667130
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1652 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3968 TGGCCTCCTTTGCCC 3982
              |||||||||||||||
Db         16 TGGCCTCCTTTGCCC 2


RESULT 56
CQ800594
LOCUS       CQ800594                  17 bp    DNA     linear   PAT 05-MAY-2004
DEFINITION  Sequence 42 from Patent EP1413626.
ACCESSION   CQ800594
VERSION     CQ800594.1  GI:47057317
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Donadio,S., Sosio,M. and Beltrametti,F.
  TITLE     Genes and proteins for the biosynthesis of the glycopeptide
            antibiotic A40926
  JOURNAL   Patent: EP 1413626-A 42 28-APR-2004;
            Vicuron Pharmaceuticals, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1260 CACCATTGGATCAGC 1274
              |||||||||||||||
Db          2 CACCATTGGATCAGC 16


RESULT 57
CQ813465
LOCUS       CQ813465                  17 bp    DNA     linear   PAT 24-MAY-2004
DEFINITION  Sequence 42 from Patent WO2004038025.
ACCESSION   CQ813465
VERSION     CQ813465.1  GI:47602720
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Donadio,S., Sosio,M. and Beltrametti,F.
  TITLE     Genes and proteins for the biosynthesis of the glycopeptide
            antibiotic a40926
  JOURNAL   Patent: WO 2004038025-A 42 06-MAY-2004;
            Vicuron Pharmaceuticals, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="PCR primer"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1260 CACCATTGGATCAGC 1274
              |||||||||||||||
Db          2 CACCATTGGATCAGC 16


RESULT 58
CQ870993
LOCUS       CQ870993                  17 bp    DNA     linear   PAT 27-SEP-2004
DEFINITION  Sequence 44 from Patent EP1460085.
ACCESSION   CQ870993
VERSION     CQ870993.1  GI:52745152
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Donadio,S., Sosio,M. and Bianchi,A.
  TITLE     Genes and proteins for the biosynthesis of the glycopeptide
            antibiotic teicoplanin
  JOURNAL   Patent: EP 1460085-A 44 22-SEP-2004;
            Vicuron Pharmaceuticals, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1260 CACCATTGGATCAGC 1274
              |||||||||||||||
Db          2 CACCATTGGATCAGC 16


RESULT 59
AR327608
LOCUS       AR327608                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5010 from patent US 6566127.
ACCESSION   AR327608
VERSION     AR327608.1  GI:33713416
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
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```
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5010 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
             |||||||||||||||
Db          3 CCCCGCCCCCAGACT 17


RESULT 60
AR327609
LOCUS       AR327609                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5011 from patent US 6566127.
ACCESSION   AR327609
VERSION     AR327609.1  GI:33713417
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5011 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
             |||||||||||||||
Db          2 CCCCGCCCCCAGACT 16


RESULT 61
AR327610
LOCUS       AR327610                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5012 from patent US 6566127.
ACCESSION   AR327610
VERSION     AR327610.1  GI:33713418
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5012 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
             |||||||||||||||
Db          1 CCCCGCCCCCAGACT 15


RESULT 62
AR457974/c
LOCUS       AR457974                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1651 from patent US 6686188.
ACCESSION   AR457974
VERSION     AR457974.1  GI:42693031
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 1651 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3968 TGGCCTCCTTTGCCC 3982
             |||||||||||||||
Db         17 TGGCCTCCTTTGCCC 3


RESULT 63
AR457975/c
LOCUS       AR457975                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1652 from patent US 6686188.
ACCESSION   AR457975
VERSION     AR457975.1  GI:42693032
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 1652 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3968 TGGCCTCCTTTGCCC 3982
             |||||||||||||||
Db         16 TGGCCTCCTTTGCCC 2


RESULT 64
AR659212/c
LOCUS       AR659212                  17 bp    DNA     linear   PAT 13-JUN-2005
```

```
DEFINITION  Sequence 15 from patent US 6900015.
ACCESSION   AR659212
VERSION     AR659212.1  GI:67595180
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Avihingsanon,Y., Ma,N., Strom,T.B., Soares,M.C., Ferran,C. and
            Suthanthiran,M.
  TITLE     Measurement of protective genes in allograft rejection
  JOURNAL   Patent: US 6900015-A 15 31-MAY-2005;
            Beth Israel Deaconess Medical Center, Inc. and Cornell Research
            Foundation, Inc.; Boston, MA
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3961 TTCACTATGGCCTCC 3975
              |||||||||||||||
Db         15 TTCACTATGGCCTCC 1


RESULT 65
AX357824/c
LOCUS       AX357824                  17 bp    DNA     linear   PAT 13-FEB-2002
DEFINITION  Sequence 15 from Patent WO0181916.
ACCESSION   AX357824
VERSION     AX357824.1  GI:18674637
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Ma,N., Strom,T., Soares,M.C. and Ferran,C.
  TITLE     Methods of evaluating transplant rejection
  JOURNAL   Patent: WO 0181916-A 15 01-NOV-2001;
            Beth Israel Deaconess Medical Center, Inc. (US) ; Cornell Research
            Foundation (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="sense primer"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3961 TTCACTATGGCCTCC 3975
              |||||||||||||||
Db         15 TTCACTATGGCCTCC 1


RESULT 66
AX744418/c
LOCUS       AX744418                  17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 383 from Patent WO03031621.
ACCESSION   AX744418
VERSION     AX744418.1  GI:30723085
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 383 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1191 CCAGGGCACCTTCAA 1205
              |||||||||||||||
Db         17 CCAGGGCACCTTCAA 3


RESULT 67
AX744421/c
LOCUS       AX744421                  17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 386 from Patent WO03031621.
ACCESSION   AX744421
VERSION     AX744421.1  GI:30723088
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 386 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.4%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 68;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1190 CCCAGGGCACCTTCA 1204
              |||||||||||||||
Db         15 CCCAGGGCACCTTCA 1


RESULT 68
AR187554
LOCUS       AR187554                  18 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 3042 from patent US 6346398.
ACCESSION   AR187554
VERSION     AR187554.1  GI:20233519
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6346398-A 3042 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 76;
```

```
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
              ||||||||||||||||
Db          4 CCCCGCCCCCAGACT 18


RESULT 69
AR324068
LOCUS       AR324068                 18 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 1470 from patent US 6566127.
ACCESSION   AR324068
VERSION     AR324068.1  GI:33709876
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 1470 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
              ||||||||||||||||
Db          4 CCCCGCCCCCAGACT 18


RESULT 70
AR597528
LOCUS       AR597528                 18 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 1470 from patent US 6818447.
ACCESSION   AR597528
VERSION     AR597528.1  GI:56648542
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 1470 16-NOV-2004;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.4%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2894 CCCCGCCCCCAGACT 2908
              ||||||||||||||||
Db          4 CCCCGCCCCCAGACT 18


RESULT 71
AR078885
LOCUS       AR078885                 18 bp    DNA     linear   PAT 31-AUG-2000
DEFINITION  Sequence 29 from patent US 5965370.
ACCESSION   AR078885
.VERSION    AR078885.1  GI:10005631
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Cowsert,L.M.
  TITLE     Antisense modulation of RhoG expression
  JOURNAL   Patent: US 5965370-A 29 12-OCT-1999;
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        658 CTCGAGTGCCTGTCCCTG 675
              | |||||||||| |||||
Db          1 CGCGAGTGCCTGGCCCTG 18


RESULT 72
BD088814
LOCUS       BD088814                 18 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  A method of arraying genome clone.
ACCESSION   BD088814
VERSION     BD088814.1  GI:22634424
KEYWORDS    JP 2001321190-A/1058.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Soeda,E.
  TITLE     A method of arraying genome clone
  JOURNAL   Patent: JP 2001321190-A 1058 20-NOV-2001;
            THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
            GENOTECHS
COMMENT     OS   Artificial Sequence
            PN   JP 2001321190-A/1058
            PD   20-NOV-2001
            PF   12-MAR-2001 JP 2001068285
            PI   EIICHI SOEDA
            PC   C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566, PC
              C12N15/00,
            PC   C12N15/00
            CC   Description of Artificial Sequence:Synthetic DNA FH   Key
                   Location/Qualifiers
            FT   source          1. .18
            FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2554 GGCATGCGGTACCTTGCC 2571
              |||||| |||||| ||||
Db          1 GGCATGAGGTACCATGCC 18


RESULT 73
BD096467
LOCUS       BD096467                 18 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  Diagnosis of migraine with aura, depression and anxiety from
            allelic variations in dopaminergic genes.
ACCESSION   BD096467
VERSION     BD096467.1  GI:22642055
KEYWORDS    JP 2001527520-A/8.
```

```
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Peroutka,S.J.
  TITLE     Diagnosis of migraine with aura, depression and anxiety from
            allelic variations in dopaminergic genes
  JOURNAL   Patent: JP 2001527520-A 8 25-DEC-2001;
            GLAXO GROUP LTD
COMMENT     OS   Unidentified
            PN   JP 2001527520-A/8
            PD   25-DEC-2001
            PF   21-AUG-1997 JP 1998511012
            PR   22-AUG-1996 US    60/024399,17-JAN-1997 US    60/036091 PI
            STEPHEN J PEROUTKA
            PC   A61K31/445
            CC   Strandedness: Single;
            CC   Topology: Linear;
            CC   Diagnosis of migraine with aura, depression and anxiety from
            CC           allelic
            CC   variations in dopaminergic genes
            FH   Key             Location/Qualifiers
            FT   source          1. .18
            FT                   /organism='Unidentified'.
FEATURES              Location/Qualifiers
     source           1. .18
                      /organism="unidentified"
                      /mol_type="genomic DNA"
                      /db_xref="taxon:32644"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        387 GGTGCTGCTCTGCTGGGC 404
              | ||||||||| ||||||
Db          1 GCTGCTGCTCTACTGGGC 18


RESULT 74
CQ767063
LOCUS       CQ767063                 18 bp    DNA     linear   PAT 03-MAR-2004
DEFINITION  Sequence 2 from Patent WO2004005544.
ACCESSION   CQ767063
VERSION     CQ767063.1  GI:44909217
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Chibout,S.D., Grenet,O., Imbert,G., Kehren,J., Staedtler,F. and
            Wolfgang,C.D.
  TITLE     Marker genes
  JOURNAL   Patent: WO 2004005544-A 2 15-JAN-2004;
            Novartis AG (CH) ; Novartis Pharma GmbH (AT)
FEATURES              Location/Qualifiers
     source           1. .18
                      /organism="synthetic construct"
                      /mol_type="unassigned DNA"
                      /db_xref="taxon:32630"
                      /note="Kidney injury molecule-1 3' PCR primer"
     primer_bind      1. .18

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1377 GAACGGCTCCTCCCTGCA 1394
              | ||| ||||||||||||
Db          1 GCACGTCTCCTCCCTGCA 18


RESULT 75
CS038757
LOCUS       CS038757                 18 bp    DNA     linear   PAT 22-MAR-2005
DEFINITION  Sequence 78 from Patent WO2004005543.
ACCESSION   CS038757
VERSION     CS038757.1  GI:61846599
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Horns,T.
  TITLE     Methods and nucleic acids for the analysis of methylation patterns
            within the dd3 gene
  JOURNAL   Patent: WO 2004005543-A 78 15-JAN-2004;
            Epigenomics AG (DE)
FEATURES              Location/Qualifiers
     source           1. .18
                      /organism="synthetic construct"
                      /mol_type="unassigned DNA"
                      /db_xref="taxon:32630"
                      /note="MS SnuPE detection oligonucleotide for DD3"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3857 TTGAGTTTTGTTTTTGGT 3874
              ||||| ||| ||||||||
Db          1 TTGAGGTTTTTTTTTGGT 18


RESULT 76
AR215624
LOCUS       AR215624                 18 bp    DNA     linear   PAT 25-SEP-2002
DEFINITION  Sequence 172 from patent US 6410323.
ACCESSION   AR215624
VERSION     AR215624.1  GI:23313880
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Roberts,M.L. and Cowsert,L.M.
  TITLE     Antisense modulation of human Rho family gene expression
  JOURNAL   Patent: US 6410323-A 172 25-JUN-2002;
            ISIS Pharmaceuticals, Inc.; Carlsbad, CA
FEATURES              Location/Qualifiers
     source           1. .18
                      /organism="unknown"
                      /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        658 CTCGAGTGCCTGTCCCTG 675
              | |||||||||| |||||
Db          1 CGCGAGTGCCTGGCCCTG 18


RESULT 77
AR266200
LOCUS       AR266200                 18 bp    DNA     linear   PAT 10-APR-2003
DEFINITION  Sequence 12 from patent US 6492173.
ACCESSION   AR266200
VERSION     AR266200.1  GI:29695046
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Cowsert,L.M.
  TITLE     Antisense inhibition of cyclin D2 expression
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  JOURNAL   Patent: US 6492173-A 12 10-DEC-2002;
            ISIS Pharmaceuticals, Inc.; Carlsbad, CA
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2481 CTCCTTCCTGCGGCTAAA 2498
              ||||||||| |||||||
Db          1 CTCCTTCCTTTGGCTAAA 18


RESULT 78
AR570302
LOCUS       AR570302                  18 bp    DNA     linear   PAT 14-DEC-2004
DEFINITION  Sequence 517 from patent US 6770461.
ACCESSION   AR570302
VERSION     AR570302.1  GI:56571032
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Carulli,J.P., Little,R.D., Recker,R.R. and Johnson,M.L.
  TITLE     High bone mass gene of 11q13.3
  JOURNAL   Patent: US 6770461-A 517 03-AUG-2004;
            Genome Therapeutics Corporation and Creighton University School of
            Medicine; Waltham, MA
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3093 CTCAGCTTTTGGCTCTGT 3110
              || |||||||||| ||||
Db          1 CTGAGCTTTTGGCACTGT 18


RESULT 79
AX599906
LOCUS       AX599906                  18 bp    DNA     linear   PAT 14-FEB-2003
DEFINITION  Sequence 1246 from Patent WO02077272.
ACCESSION   AX599906
VERSION     AX599906.1  GI:28400056
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Berlin,K., Braun,A., Distler,J., Guetig,D., Howe,A., Mueller,J.,
            Olek,A., Piepenbrock,C., Adorjan,P., Grabs,G., Lesche,R., Leu,E.,
            Lewin,A., Lipscher,E., Maier,S., Model,F., Mueller,V., Otto,T.,
            Pelet,C. and Ziebarth,H.
  TITLE     Methods and nucleic acids for the analysis of hematopoietic cell
            proliferative disorders
  JOURNAL   Patent: WO 02077272-A 1246 03-OCT-2002;
            Epigenomics AG (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Detection oligonucleotide for Humos"

  Query Match             0.3%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 83;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3782 GTCACCACCAAACTCAAT 3799
              || |||||||||||| ||
Db          1 GTTACCACCAAACTCCAT 18


RESULT 80
BD002052
LOCUS       BD002052                  17 bp    DNA     linear   PAT 31-JAN-2002
DEFINITION  Agent for retarding the conversion of hormone-dependent cancer into
            hormone-independent cancer.
ACCESSION   BD002052
VERSION     BD002052.1  GI:18628792
KEYWORDS    JP 2000178202-A/3.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Matsutani,T. and Naito,K.
  TITLE     Agent for retarding the conversion of hormone-dependent cancer into
            hormone-independent cancer
  JOURNAL   Patent: JP 2000178202-A 3 27-JUN-2000;
            TAKEDA CHEMICAL INDUSTRIES LTD
COMMENT     OS   Artificial Sequence
            PN   JP 2000178202-A/3
            PD   27-JUN-2000
            PF   07-OCT-1999 JP 1999286856
            PR
            PI   TOSHIYA MATSUTANI,KENICHIRO NAITO
            PC   A61K38/04,A61K38/22,A61K45/00,A61P13/08,A61P35/00//C07K7/23 CC

            FH   Key             Location/Qualifiers
            FT   source          1. .176
            FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14.6;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 80;
  Matches   11;  Conservative    6;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2587 CACCGAGACCTGGCTGC 2603
              ||::|:|||:|:||:||
Db          1 CAYMGRGACYTKGCWGC 17


RESULT 81
BD106385/c
LOCUS       BD106385                  16 bp    DNA     linear   PAT 18-SEP-2002
DEFINITION  Novel LDL-receptor.
ACCESSION   BD106385
VERSION     BD106385.1  GI:23201203
KEYWORDS    JP 2002501376-A/400.
SOURCE      Chlamydia sp.
  ORGANISM  Chlamydia sp.
            Bacteria; Chlamydiae; Chlamydiales; Chlamydiaceae; Chlamydia.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D., Hammond,H.
            and Hey,P.
  TITLE     Novel LDL-receptor
  JOURNAL   Patent: JP 2002501376-A 400 15-JAN-2002;
            THE WELLCOME TRUST LTD AS TRUSTEE TO THE WELLCOME TRUST, MERCK & CO
            INC
COMMENT     PN   JP 2002501376-A/400
            PD   15-JAN-2002
            PF   15-APR-1998 JP 1998543635
            PR   15-APR-1997 US    60/043553,05-JUN-1997 US    60/048740 PI
            JOHN ANDREW TODD,JOHN WILFRED HESS,CHARLES
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            THOMAS CASKEY,ROGER
            PI   DAVID COX,
            PI   DAVID GERHOLD,HOLLY HAMMOND,PATRICIA HEY
            PC   C12N15/12,C12N15/11,C12Q1/68,C07K14/705,C07K16/28,A61K38/17,
            PC   A61K39/395,
            PC   A61K48/00
            CC   Strandedness: Double;
            CC   Topology: Linear;
            FH   Key             Location/Qualifiers.
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="Chlamydia sp."
                      /mol_type="genomic DNA"
                      /db_xref="taxon:35827"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1705 CGGTCCTCACCCAGCA 1720
                ||| ||||||||||||
Db         16 CGGCCCTCACCCAGCA 1


RESULT 82
AR305474/c
LOCUS       AR305474                  16 bp    DNA     linear   PAT 12-JUN-2003
DEFINITION  Sequence 432 from patent US 6545137.
ACCESSION   AR305474
VERSION     AR305474.1  GI:31694784
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D.,
            Hammond,H., Hey,P., Kawaguchi,Y., Merriman,T.R., Metzker,M.L.,
            Nakagawa,Y., Phillips,M.S. and Twells,R.C.J.
  TITLE     Receptor
  JOURNAL   Patent: US 6545137-A 432 08-APR-2003;
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="unknown"
                      /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1705 CGGTCCTCACCCAGCA 1720
                ||| ||||||||||||
Db         16 CGGCCCTCACCCAGCA 1


RESULT 83
AR309578/c
LOCUS       AR309578                  16 bp    DNA     linear   PAT 12-JUN-2003
DEFINITION  Sequence 432 from patent US 6555654.
ACCESSION   AR309578
VERSION     AR309578.1  GI:31701583
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D.,
            Hammond,H., Hey,P., Kawaguchi,Y., Merriman,T.R., Metzker,M.L.,
            Nakagawa,Y., Phillips,M.S. and Twells,R.C.J.
  TITLE     LDL-receptor
  JOURNAL   Patent: US 6555654-A 432 29-APR-2003;
            The Wellcome Trust Limited as Trustee for the Wellcome Trust;
            London;
            WOX;
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="unknown"
                      /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1705 CGGTCCTCACCCAGCA 1720
                ||| ||||||||||||
Db         16 CGGCCCTCACCCAGCA 1


RESULT 84
AR328470
LOCUS       AR328470                  16 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5872 from patent US 6566127.
ACCESSION   AR328470
VERSION     AR328470.1  GI:33714278
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5872 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="unknown"
                      /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 76;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2932 ATGCTGGACTGTTGGC 2947
                ||||||||||| ||||
Db          1 ATGCTGGACTGCTGGC 16


RESULT 85
BD104506
LOCUS       BD104506                  17 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  Kit and method for determining HLA type.
ACCESSION   BD104506
VERSION     BD104506.1  GI:22650080
KEYWORDS    WO 0192572-A/610.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
            Nishida,M.
  TITLE     Kit and method for determining HLA type
  JOURNAL   Patent: WO 0192572-A 610 06-DEC-2001;
            NISSHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
            KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO
            NISHIDA
COMMENT     OS   Artificial Sequence
            PN   WO 0192572-A/610
            PD   06-DEC-2001
            PF   01-JUN-2001 WO 2001JP004662
            PR   01-JUN-2000 JP 00P   164798
            PI   HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,
            PI   SHOGO MORIYA,MICHIO NISHIDA
            PC   C12Q1/68,C12M1/00,C12N15/09,G01N33/53
            CC   Description of Artificial Sequence:capture
            FH   Key             Location/Qualifiers
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           FT   source          1. .17
           FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1819 GTGCGGTTCCTGAAGA 1834
              ||||||||||||  |||
Db          1 GTGCGGTTCCTGGAGA 16


RESULT 86
BD254227
LOCUS       BD254227                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD254227
VERSION     BD254227.1  GI:33063997
KEYWORDS    JP 2002541795-A/2020.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 2020 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/2020
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3059 CACACCCTCTCCTGGA 3074
              |||  ||||||||||||
Db          1 CACCCCCTCTCCTGGA 16


RESULT 87
BD258255
LOCUS       BD258255                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD258255
VERSION     BD258255.1  GI:33068025
KEYWORDS    JP 2002541795-A/6048.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 6048 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/6048
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1567 CCTGACTTCACCTATA 1582
              ||||||||||| |||||
Db          1 CCTGACTTCAACTATA 16


RESULT 88
CQ616165
LOCUS       CQ616165                 17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 905 from Patent WO0192524.
ACCESSION   CQ616165
VERSION     CQ616165.1  GI:41666383
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 905 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4056 GCCTGGGACCCCCAAG 4071
              ||  |||||||||||||
Db          2 GCTTGGGACCCCCAAG 17
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RESULT 89
CQ616166
LOCUS       CQ616166                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 906 from Patent WO0192524.
ACCESSION   CQ616166
VERSION     CQ616166.1  GI:41666384
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 906 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4056 GCCTGGGACCCCCAAG 4071
                || ||||||||||||||
Db          1 GCTTGGGACCCCCAAG 16


RESULT 90
CQ616915/c
LOCUS       CQ616915                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1655 from Patent WO0192524.
ACCESSION   CQ616915
VERSION     CQ616915.1  GI:41667133
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1655 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3965 CTATGGCCTCCTTTGC 3980
                || ||||||||||||||
Db         16 CTCTGGCCTCCTTTGC 1


RESULT 91
CQ617907
LOCUS       CQ617907                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 2647 from Patent WO0192524.
ACCESSION   CQ617907
VERSION     CQ617907.1  GI:41668125
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 2647 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1222 GGGTCCTGCCAGCCAT 1237
                ||||||| |||||||
Db          2 GGGTCCTGGCAGCCAT 17


RESULT 92
CQ617908
LOCUS       CQ617908                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 2648 from Patent WO0192524.
ACCESSION   CQ617908
VERSION     CQ617908.1  GI:41668126
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 2648 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1222 GGGTCCTGCCAGCCAT 1237
                ||||||| |||||||
Db          1 GGGTCCTGGCAGCCAT 16


RESULT 93
AR327484
LOCUS       AR327484                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 4886 from patent US 6566127.
ACCESSION   AR327484
VERSION     AR327484.1  GI:33713292
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
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  JOURNAL   Patent: US 6566127-A 4886 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2933 TGCTGGACTGTTGGCA 2948
              |||||||||| |||||
Db          1 TGCTGGACTGCTGGCA 16


RESULT 94
AR457228
LOCUS       AR457228                 17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 905 from patent US 6686188.
ACCESSION   AR457228
VERSION     AR457228.1  GI:42692285
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 905 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4056 GCCTGGGACCCCCAAG 4071
              || |||||||||||||
Db          2 GCTTGGGACCCCCAAG 17


RESULT 95
AR457229
LOCUS       AR457229                 17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 906 from patent US 6686188.
ACCESSION   AR457229
VERSION     AR457229.1  GI:42692286
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 906 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4056 GCCTGGGACCCCCAAG 4071
              || |||||||||||||
Db          1 GCTTGGGACCCCCAAG 16


RESULT 96
AR457978/c
LOCUS       AR457978                 17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1655 from patent US 6686188.
ACCESSION   AR457978
VERSION     AR457978.1  GI:42693035
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 1655 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3965 CTATGGCCTCCTTTGC 3980
              || |||||||||||||
Db         16 CTCTGGCCTCCTTTGC 1


RESULT 97
AR458970
LOCUS       AR458970                 17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 2647 from patent US 6686188.
ACCESSION   AR458970
VERSION     AR458970.1  GI:42694027
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 2647 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1222 GGGTCCTGCCAGCCAT 1237
              |||||||| |||||||
Db          2 GGGTCCTGGCAGCCAT 17


RESULT 98
AR458971
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LOCUS       AR458971                17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 2648 from patent US 6686188.
ACCESSION   AR458971
VERSION     AR458971.1  GI:42694028
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 2648 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1222 GGGTCCTGCCAGCCAT 1237
              ||||||| |||||||
Db          1 GGGTCCTGGCAGCCAT 16


RESULT 99
AX474957/c
LOCUS       AX474957                17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 178 from Patent WO0224750.
ACCESSION   AX474957
VERSION     AX474957.1  GI:22214242
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 178 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4040 CACATCCCCGGACCCC 4055
              ||||||||||||| ||
Db         17 CACATCCCCGGACTCC 2


RESULT 100
AX474959/c
LOCUS       AX474959                17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 180 from Patent WO0224750.
ACCESSION   AX474959
VERSION     AX474959.1  GI:22214244
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 180 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4039 CCACATCCCCGGACCC 4054
              |||||||||||||| |
Db         16 CCACATCCCCGGACTC 1


RESULT 101
AX673478/c
LOCUS       AX673478                17 bp    DNA     linear   PAT 27-MAR-2003
DEFINITION  Sequence 1923 from Patent WO03004526.
ACCESSION   AX673478
VERSION     AX673478.1  GI:29331826
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
  JOURNAL   Patent: WO 03004526-A 1923 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3469 TTTGGAGAGACAGGAT 3484
              |||| ||||||||||||
Db         17 TTTGTAGAGACAGGAT 2


RESULT 102
AX723269/c
LOCUS       AX723269                17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 956 from Patent WO03025176.
ACCESSION   AX723269
VERSION     AX723269.1  GI:30423770
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025176-A 956 27-MAR-2003;
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           Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Mus musculus"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:10090"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2850 CAATCAGGACGTGATC 2865
              ||||||| ||||||||
Db         16 CAATCAGAACGTGATC 1


RESULT 103
AX726161
LOCUS       AX726161                 17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 3848 from Patent WO03025176.
ACCESSION   AX726161
VERSION     AX726161.1  GI:30505504
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025176-A 3848 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Mus musculus"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:10090"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3798 ATCATTTTTTTCCCTT 3813
              ||||| ||||||||||
Db          2 ATCATGTTTTTCCCTT 17


RESULT 104
AX729224
LOCUS       AX729224                 17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 858 from Patent WO03025175.
ACCESSION   AX729224
VERSION     AX729224.1  GI:30508567
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025175-A 858 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       4174 ATTTAAAAAAGTAACT 4189
              || ||||||||||||
Db          2 ATCTAAAAAAGTAACT 17


RESULT 105
AX761086
LOCUS       AX761086                 17 bp    DNA     linear   PAT 25-JUN-2003
DEFINITION  Sequence 4407 from Patent WO03040369.
ACCESSION   AX761086
VERSION     AX761086.1  GI:32255702
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in tumoral suppression, tumoral reversion,
            apoptosis and/or viral resistance phenomena and their use as
            medicines
  JOURNAL   Patent: WO 03040369-A 4407 15-MAY-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2545 ATCGCCTCGGGCATGC 2560
              |||||||| |||||||
Db          2 ATCGCCTCCGGCATGC 17


RESULT 106
HSRETPO7/c
LOCUS       HSRETPO7                 17 bp    DNA     linear   PRI 13-DEC-1994
DEFINITION  H.sapiens Ret Proto-Oncogene, Intron 7 (5').
ACCESSION   X79750
VERSION     X79750.1  GI:601977
KEYWORDS    intron; ret gene; ret proto-oncogene.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Mulligan,L.M., Eng,C., Attie,T., Lyonnet,S., Marsh,D.J.,
            Hyland,V.J., Robinson,B.G., Frilling,A., Verellen-Dumoulin,C.,
            Safar,A., Venter,D.J., Munnich,A. and Ponder,B.A.J.
  TITLE     Diverse phenotypes associated with exon 10 mutations of the RET
            proto-oncogene
  JOURNAL   Hum. Mol. Genet. 3 (12), 2163-2167 (1994)
   PUBMED   7881414
REFERENCE   2  (bases 1 to 17)
  AUTHORS   Eng,C.
  TITLE     Direct Submission
  JOURNAL   Submitted (14-JUN-1994) C. Eng, University of Cambridge, Dept of
            Pathology, Tennis Court Road, Cambridge CB2 1QP, UK
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
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                     /mol_type="genomic DNA"
                     /isolate="CR3"
                     /db_xref="taxon:9606"
                     /chromosome="10"
                     /map="q11.2"
                     /germline
     gene            1. .17
                     /gene="RET"
     intron          1. .>17
                     /gene="RET"
                     /note="3' end"

  Query Match              0.3%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 86;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         28 CTCCAGGGAGGGGGGG 43
               ||||||||||||| |||
Db         17 CTCCAGGGAGGGAGGG 2


RESULT 107
A88117/c
LOCUS       A88117                    18 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 265 from Patent WO9833904.
ACCESSION   A88117
VERSION     A88117.1  GI:6736687
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Brysch,W. and Schlingensiepen,K.
  TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
  JOURNAL   Patent: WO 9833904-A 265 06-AUG-1998;
            BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match              0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         93 GGCCCCGGAGGGACCC 108
               ||||||| ||||||||
Db         17 GGCCCCGCAGGGACCC 2


RESULT 108
A90084/c
LOCUS       A90084                    18 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 265 from Patent EP0856579.
ACCESSION   A90084
VERSION     A90084.1  GI:6738598
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Brysch,W.D. and Schlingensiepen,K.D.
  TITLE     An antisense oligonucleotide preparation method
  JOURNAL   Patent: EP 0856579-A 265 05-AUG-1998;
            BIOGNOSTIK GES (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match              0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         93 GGCCCCGGAGGGACCC 108
               ||||||| ||||||||
Db         17 GGCCCCGCAGGGACCC 2


RESULT 109
BD065630/c
LOCUS       BD065630                  18 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  An antisense oligonucleotide preparation method.
ACCESSION   BD065630
VERSION     BD065630.1  GI:22611233
KEYWORDS    JP 2001511000-A/265.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Schlingensiepen,K.H. and Brysch,W.
  TITLE     An antisense oligonucleotide preparation method
  JOURNAL   Patent: JP 2001511000-A 265 07-AUG-2001;
            BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT     OS   Unknown
            PN   JP 2001511000-A/265
            PD   07-AUG-2001
            PF   30-JAN-1998 JP 1998532533
            PR   31-JAN-1997 EP   97101531.8
            PI   KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
            PC   C12N15/11,C07H21/04,A61K31/70
            CC   An antisense oligonucleotide preparation method FH   Key
                  Location/Qualifiers
            FT   source          1. .18
            FT                   /organism='Unknown'.
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match              0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         93 GGCCCCGGAGGGACCC 108
               ||||||| ||||||||
Db         17 GGCCCCGCAGGGACCC 2


RESULT 110
CQ808206/c
LOCUS       CQ808206                  18 bp    DNA     linear   PAT 10-MAY-2004
DEFINITION  Sequence 1656 from Patent WO2004035803.
ACCESSION   CQ808206
VERSION     CQ808206.1  GI:47113600
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Foekens,J., Harbeck,N., Koenig,T., Maier,S., Martens,J., Model,F.,
            Nimmrich,I., Rujan,T., Schmitt,A., Schmitt,M., Look,M.P. and
            Marx,A.
  TITLE     Method and nucleic acids for the improved treatment of breast cell
            proliferative disorders
  JOURNAL   Patent: WO 2004035803-A 1656 29-APR-2004;
            Epigenomics AG (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Detection oligonucleotide for MAPK1"
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  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3789 CCAAACTCAATCATTT 3804
              ||||| ||||||||||
Db         16 CCAAATTCAATCATTT 1


RESULT 111
AR392161
LOCUS       AR392161                  18 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 2 from patent US 6613750.
ACCESSION   AR392161
VERSION     AR392161.1  GI:40116138
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   DePinho,R.A.
  TITLE     Method of inhibiting cell proliferation using an anti-oncogene
            protein
  JOURNAL   Patent: US 6613750-A 2 02-SEP-2003;
            Albert Einstein College of Medicine of Yeshiva University; Bronx,
            NY
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3598 GAAGTGCCCAACATCT 3613
              |||| ||||||||||
Db          2 GAAGGGCCCAACATCT 17


RESULT 112
AR433444
LOCUS       AR433444                  18 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 46 from patent US 6656688.
ACCESSION   AR433444
VERSION     AR433444.1  GI:40196280
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Bennett,C.F., Monia,B.P. and Cowsert,L.M.
  TITLE     Antisense modulation of NF-kappa-B p65 subunit expression
  JOURNAL   Patent: US 6656688-A 46 02-DEC-2003;
            ISIS Pharmaceuticals, Inc.; Carlsbad, CA
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2669 TGGAGGAGAACTCTTC 2684
              |||||||||| |||||
Db          2 TGGAGGAGAAGTCTTC 17


RESULT 113
AR658627
LOCUS       AR658627                  18 bp    DNA     linear   PAT 13-JUN-2005
DEFINITION  Sequence 2 from patent US 6897197.
ACCESSION   AR658627
VERSION     AR658627.1  GI:67593422
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   DePinho,R.A.
  TITLE     Method of inhibiting cell proliferation using an anti-oncogene
            protein
  JOURNAL   Patent: US 6897197-A 2 24-MAY-2005;
            Albert Einstein College of Medicine of Yeshiva University; Bronx,
            NY
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3598 GAAGTGCCCAACATCT 3613
              |||| ||||||||||
Db          2 GAAGGGCCCAACATCT 17


RESULT 114
AX317621/c
LOCUS       AX317621                  18 bp    DNA     linear   PAT 14-DEC-2001
DEFINITION  Sequence 624 from Patent WO0190337.
ACCESSION   AX317621
VERSION     AX317621.1  GI:17900522
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Allawi,H., Bartholomay,C.T., Chehak,L., Curtis,M.L., Eis,P.S.,
            Hall,J.G., Ip,H.S., Kaiser,M., Kwiatkowski,R.W., Lukowiak,A.A.,
            Lyamichev,V., Ma,W., Olson-Munoz,M.C., Olson,S.M., Schaefer,J.J.,
            Skrzypczynski,Z., Takova,T.Y., Vedvik,K.L. and Lyamichev,N.E.
  TITLE     Detection of rna
  JOURNAL   Patent: WO 0190337-A 624 29-NOV-2001;
            THIRD WAVE TECHNOLOGIES, INC. (US)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3787 CACCAAACTCAATCAT 3802
              |||||||||| ||||
Db         16 CACCAAACTCACTCAT 1


RESULT 115
AX822636
LOCUS       AX822636                  18 bp    DNA     linear   PAT 11-DEC-2003
DEFINITION  Sequence 528 from Patent EP1340818.
ACCESSION   AX822636
VERSION     AX822636.1  GI:39749272
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Adorjan,P., Burger,M., Maier,S., Nimmrich,I., Becker,E., Lesche,R.,
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          Rujan,T. and Schmitt,A.
  TITLE     Method and nucleic acids for the analysis of a colon cell
            proliferative disorder
  JOURNAL   Patent: EP 1340818-A 528 03-SEP-2003;
            Epigenomics AG (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Detection oligonucleotide for APOC2"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3859 GAGTTTTGTTTTTGGT 3874
              ||||||||||||| |
Db          3 GAGTTTTGTTTTTGTT 18


RESULT 116
AX826276
LOCUS       AX826276                  18 bp    DNA     linear   PAT 11-DEC-2003
DEFINITION  Sequence 528 from Patent WO03072821.
ACCESSION   AX826276
VERSION     AX826276.1  GI:39751790
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Adorjan,P., Burger,M., Maier,S., Nimmrich,I., Becker,E., Lesche,R.,
            Rujan,T. and Schmitt,A.
  TITLE     Method and nucleic acids for the analysis of a colon cell
            proliferactive disorder
  JOURNAL   Patent: WO 03072821-A 528 04-SEP-2003;
            Epigenomics AG (DE)
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Detection oligonucleotide for APOC2"

  Query Match             0.3%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 97;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3859 GAGTTTTGTTTTTGGT 3874
              ||||||||||||| |
Db          3 GAGTTTTGTTTTTGTT 18


RESULT 117
I28012/c
LOCUS       I28012                    14 bp    DNA     linear   PAT 06-FEB-1997
DEFINITION  Sequence 184 from patent US 5567809.
ACCESSION   I28012
VERSION     I28012.1  GI:1818788
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 14)
  AUTHORS   Apple,R.J., Erlich,H.A., Griffith,R.L. and Scharf,S.J.
  TITLE     Methods and reagents for HLA DRbeta DNA typing
  JOURNAL   Patent: US 5567809-A 184 22-OCT-1996;
FEATURES             Location/Qualifiers
     source          1. .14
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 67;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
              ||||||||||||||
Db         14 CCCGGCCCCGCTTC 1


RESULT 118
I27995/c
LOCUS       I27995                    15 bp    DNA     linear   PAT 06-FEB-1997
DEFINITION  Sequence 167 from patent US 5567809.
ACCESSION   I27995
VERSION     I27995.1  GI:1818771
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Apple,R.J., Erlich,H.A., Griffith,R.L. and Scharf,S.J.
  TITLE     Methods and reagents for HLA DRbeta DNA typing
  JOURNAL   Patent: US 5567809-A 167 22-OCT-1996;
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 78;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
              ||||||||||||||
Db         15 CCCGGCCCCGCTTC 2


RESULT 119
AR180013/c
LOCUS       AR180013                  15 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 81 from patent US 6333152.
ACCESSION   AR180013
VERSION     AR180013.1  GI:20222046
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
  TITLE     Gene expression profiles in normal and cancer cells
  JOURNAL   Patent: US 6333152-A 81 25-DEC-2001;
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 78;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2423 TCACCAACAGCATG 2436
              ||||||||||||||
Db         14 TCACCAACAGCATG 1


RESULT 120
AR180702/c
LOCUS       AR180702                  15 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 770 from patent US 6333152.
ACCESSION   AR180702
VERSION     AR180702.1  GI:20222735
KEYWORDS    .
SOURCE      Unknown.
```

```
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 15)
  AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
  TITLE     Gene expression profiles in normal and cancer cells
  JOURNAL   Patent: US 6333152-A 770 25-DEC-2001;
FEATURES             Location/Qualifiers
     source          1. .15
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 78;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2423 TCACCAACAGCATG 2436
             ||||||||||||||
Db         14 TCACCAACAGCATG 1


RESULT 121
I27994/c
LOCUS       I27994                    16 bp    DNA     linear   PAT 06-FEB-1997
DEFINITION  Sequence 166 from patent US 5567809.
ACCESSION   I27994
VERSION     I27994.1  GI:1818770
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Apple,R.J., Erlich,H.A., Griffith,R.L. and Scharf,S.J.
  TITLE     Methods and reagents for HLA DRbeta DNA typing
  JOURNAL   Patent: US 5567809-A 166 22-OCT-1996;
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 89;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
             ||||||||||||||
Db         15 CCCGGCCCCGCTTC 2


RESULT 122
AR235524
LOCUS       AR235524                  16 bp    DNA     linear   PAT 20-DEC-2002
DEFINITION  Sequence 23 from patent US 6461810.
ACCESSION   AR235524
VERSION     AR235524.1  GI:27278745
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Fresco,J.R. and Johnson,M.D.
  TITLE     Triplex in-situ hybridization
  JOURNAL   Patent: US 6461810-A 23 08-OCT-2002;
            Princeton University; Princeton, NJ
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 89;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3587 CAGAGGAAAAGGAA 3600
             ||||||||||||||
Db          2 CAGAGGAAAAGGAA 15


RESULT 123
A11108/c
LOCUS       A11108                    17 bp    DNA     linear   PAT 03-DEC-1993
DEFINITION  Oligonucleotide L1.
ACCESSION   A11108
VERSION     A11108.1  GI:490958
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Ikehara,M. and Kida,M.
  TITLE     Synthetic gene for human lysozyme
  JOURNAL   Patent: EP 0181634-A 52 21-MAY-1986;
            Takeda Chemical Industries, Ltd
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3848 TGAAGGTTTTTGAG 3861
             ||||||||||||||
Db         15 TGAAGGTTTTTGAG 2


RESULT 124
BD080850/c
LOCUS       BD080850                  17 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  Composition and method for promoting the paracellular transport
            passing through cell layers.
ACCESSION   BD080850
VERSION     BD080850.1  GI:22626453
KEYWORDS    JP 2001517436-A/6.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   OGmahony,D.J. and Cagney,G.
  TITLE     Composition and method for promoting the paracellular transport
            passing through cell layers
  JOURNAL   Patent: JP 2001517436-A 6 09-OCT-2001;
            ELAN CORP PLC
COMMENT     OS   Artificial Sequence
            PN   JP 2001517436-A/6
            PD   09-OCT-2001
            PF   23-SEP-1998 JP 2000512941
            PR   24-SEP-1997 US    60/059644,10-NOV-1997 IE       970794 PI
            DANIEL JOSEPH O'MAHONY,GERARD CAGNEY
            PC   C12N15/09,A61K31/7088,A61K38/00//(A61K38/00,A61K31:70) PC
            ,C12N15/00,A61K37/02,
            PC   (A61K37/02,A61K31:70)
            CC   Description of Artificial Sequence: Human occludin scrambled
            CC   oligonucleotide
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
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  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1561 CTACGTCCTGACTT 1574
              ||||||||||||||
Db         16 CTACGTCCTGACTT 3


RESULT 125
BD104655/c
LOCUS       BD104655                17 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  Kit and method for determining HLA type.
ACCESSION   BD104655
VERSION     BD104655.1  GI:22650229
KEYWORDS    WO 0192572-A/759.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
            Nishida,M.
  TITLE     Kit and method for determining HLA type
  JOURNAL   Patent: WO 0192572-A 759 06-DEC-2001;
            NISSHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
            KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO
            NISHIDA
COMMENT     OS   Artificial Sequence
            PN   WO 0192572-A/759
            PD   06-DEC-2001
            PF   01-JUN-2001 WO 2001JP004662
            PR   01-JUN-2000 JP 00P   164798
            PI   HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI  PI
            MATSUMURA,
            PI   SHOGO MORIYA,MICHIO NISHIDA
            PC   C12Q1/68,C12M1/00,C12N15/09,G01N33/53
            CC   Description of Artificial Sequence:capture
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
              ||||||||||||||
Db         16 CCCGGCCCCGCTTC 3


RESULT 126
BD254078/c
LOCUS       BD254078                17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD254078
VERSION     BD254078.1  GI:33063848
KEYWORDS    JP 2002541795-A/1871.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 1871 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/1871
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         80 GGCGGGACCCCGAG 93
              ||||||||||||||
Db         14 GGCGGGACCCCGAG 1


RESULT 127
CQ616910/c
LOCUS       CQ616910                17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 1650 from Patent WO0192524.
ACCESSION   CQ616910
VERSION     CQ616910.1  GI:41667128
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 1650 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3969 GGCCTCCTTTGCCC 3982
              ||||||||||||||
Db         17 GGCCTCCTTTGCCC 4


RESULT 128
I27903
LOCUS       I27903                  17 bp    DNA     linear   PAT 06-FEB-1997
DEFINITION  Sequence 75 from patent US 5567809.
ACCESSION   I27903
VERSION     I27903.1  GI:1818679
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Apple,R.J., Erlich,H.A., Griffith,R.L. and Scharf,S.J.
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  TITLE     Methods and reagents for HLA DRbeta DNA typing
  JOURNAL   Patent: US 5567809-A 75 22-OCT-1996;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
              ||||||||||||||
Db          3 CCCGGCCCCGCTTC 16


RESULT 129
I27977/c
LOCUS       I27977                  17 bp    DNA     linear   PAT 06-FEB-1997
DEFINITION  Sequence 149 from patent US 5567809.
ACCESSION   I27977
VERSION     I27977.1  GI:1818753
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Apple,R.J., Erlich,H.A., Griffith,R.L. and Scharf,S.J.
  TITLE     Methods and reagents for HLA DRbeta DNA typing
  JOURNAL   Patent: US 5567809-A 149 22-OCT-1996;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2963 CCCGGCCCCGCTTC 2976
              ||||||||||||||
Db         15 CCCGGCCCCGCTTC 2


RESULT 130
AR193421/c
LOCUS       AR193421                17 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 6 from patent US 6346613.
ACCESSION   AR193421
VERSION     AR193421.1  GI:20239386
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   O'Mahony,D.J. and Cagney,G.
  TITLE     Composition and method for enhancing paracellular transport across
            cell layers
  JOURNAL   Patent: US 6346613-A 6 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1561 CTACGTCCTGACTT 1574
              ||||||||||||||
Db         16 CTACGTCCTGACTT 3


RESULT 131
AR327611
LOCUS       AR327611                17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5013 from patent US 6566127.
ACCESSION   AR327611
VERSION     AR327611.1  GI:33713419
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5013 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2895 CCCGCCCCCAGACT 2908
              ||||||||||||||
Db          1 CCCGCCCCCAGACT 14


RESULT 132
AR362733/c
LOCUS       AR362733                17 bp    DNA     linear   PAT 03-SEP-2003
DEFINITION  Sequence 67 from patent US 5182195.
ACCESSION   AR362733
VERSION     AR362733.1  GI:34423113
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Nakahama,K., Kaisho,Y. and Yoshimura,K.
  TITLE     Method for increasing gene expression using protease deficient
            yeasts
  JOURNAL   Patent: US 5182195-A 67 26-JAN-1993;
            Takeda Chemical Industries, Ltd.; Osaka;
            JPX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3848 TGAAGGTTTTTGAG 3861
              ||||||||||||||
Db         15 TGAAGGTTTTTGAG 2


RESULT 133
AR457973/c
LOCUS       AR457973                17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 1650 from patent US 6686188.
ACCESSION   AR457973
VERSION     AR457973.1  GI:42693030
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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          Shannon,M.E.
  TITLE   Polynucleotide encoding a human myosin-like polypeptide expressed
          predominantly in heart and muscle
  JOURNAL Patent: US 6686188-A 1650 03-FEB-2004;
          Amersham PLC; Buckinghamshire;
          GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3969 GGCCTCCTTTGCCC 3982
              ||||||||||||||
Db         17 GGCCTCCTTTGCCC 4


RESULT 134
AX474960/c
LOCUS       AX474960                 17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 181 from Patent WO0224750.
ACCESSION   AX474960
VERSION     AX474960.1  GI:22214245
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 181 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4039 CCACATCCCCGGAC 4052
              ||||||||||||||
Db         15 CCACATCCCCGGAC 2


RESULT 135
AX474961/c
LOCUS       AX474961                 17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 182 from Patent WO0224750.
ACCESSION   AX474961
VERSION     AX474961.1  GI:22214246
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 182 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       4039 CCACATCCCCGGAC 4052
              ||||||||||||||
Db         14 CCACATCCCCGGAC 1


RESULT 136
AX727728
LOCUS       AX727728                 17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 5415 from Patent WO03025176.
ACCESSION   AX727728
VERSION     AX727728.1  GI:30507071
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025176-A 5415 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Mus musculus"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:10090"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       3821 CCCCTCCCCCAGCT 3834
              ||||||||||||||
Db          4 CCCCTCCCCCAGCT 17


RESULT 137
AX744417/c
LOCUS       AX744417                 17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 382 from Patent WO03031621.
ACCESSION   AX744417
VERSION     AX744417.1  GI:30723084
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 382 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1192 CAGGGCACCTTCAA 1205
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              ||||||||||||||
Db         17 CAGGGCACCTTCAA 4


RESULT 138
AX744422/c
LOCUS       AX744422                  17 bp    DNA     linear   PAT 14-MAY-2003
DEFINITION  Sequence 387 from Patent WO03031621.
ACCESSION   AX744422
VERSION     AX744422.1  GI:30723089
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     A human G protein coupled receptor
  JOURNAL   Patent: WO 03031621-A 387 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1190 CCCAGGGCACCTTC 1203
              ||||||||||||||
Db         14 CCCAGGGCACCTTC 1


RESULT 139
A62602
LOCUS       A62602                    17 bp    DNA     linear   PAT 12-MAR-1998
DEFINITION  Sequence 21 from Patent EP0781847.
ACCESSION   A62602
VERSION     A62602.1  GI:3716509
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Bendig,M.D., Saldana,J.D. and Jones,T.D.
  TITLE     Humanized monoclonal antibody
  JOURNAL   Patent: EP 0781847-A 21 02-JUL-1997;
            MERCK PATENT GMBH (DE)
COMMENT     Other publication JP 9183799 19970715.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2493 GCTAAACGACGGACAGT 2509
              | |||||||||| ||||
Db          1 GATAAACGACGGCCAGT 17


RESULT 140
A88164
LOCUS       A88164                    17 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 312 from Patent WO9833904.
ACCESSION   A88164
VERSION     A88164.1  GI:6736734
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Brysch,W. and Schlingensiepen,K.
  TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
  JOURNAL   Patent: WO 9833904-A 312 06-AUG-1998;
            BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1288 CGCGTCGGGTACTTCCG 1304
              ||| ||| |||||||||
Db          1 CGCATCGTGTACTTCCG 17


RESULT 141
A90131
LOCUS       A90131                    17 bp    DNA     linear   PAT 22-JAN-2000
DEFINITION  Sequence 312 from Patent EP0856579.
ACCESSION   A90131
VERSION     A90131.1  GI:6738645
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Brysch,W.D. and Schlingensiepen,K.D.
  TITLE     An antisense oligonucleotide preparation method
  JOURNAL   Patent: EP 0856579-A 312 05-AUG-1998;
            BIOGNOSTIK GES (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1288 CGCGTCGGGTACTTCCG 1304
              ||| ||| |||||||||
Db          1 CGCATCGTGTACTTCCG 17


RESULT 142
AR084145
LOCUS       AR084145                  17 bp    DNA     linear   PAT 01-SEP-2000
DEFINITION  Sequence 48 from patent US 5977435.
ACCESSION   AR084145
VERSION     AR084145.1  GI:10010916
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Lefebvre,D.D. and Gellatly,K.S.
  TITLE     Plant phosphatases
  JOURNAL   Patent: US 5977435-A 48 02-NOV-1999;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"
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```
  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3839 CCTTCATATTGAAGGTT 3855
              ||||||| |||||| ||
Db          1 CCTTCATGTTGAAGTTT 17


RESULT 143
BD065677
LOCUS       BD065677                  17 bp    DNA     linear   PAT 27-AUG-2002
DEFINITION  An antisense oligonucleotide preparation method.
ACCESSION   BD065677
VERSION     BD065677.1  GI:22611280
KEYWORDS    JP 2001511000-A/312.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Schlingensiepen,K.H. and Brysch,W.
  TITLE     An antisense oligonucleotide preparation method
  JOURNAL   Patent: JP 2001511000-A 312 07-AUG-2001;
            BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT     OS   Unknown
            PN   JP 2001511000-A/312
            PD   07-AUG-2001
            PF   30-JAN-1998 JP 1998532533
            PR   31-JAN-1997 EP   97101531.8
            PI   KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
            PC   C12N15/11,C07H21/04,A61K31/70
            CC   An antisense oligonucleotide preparation method FH   Key
                  Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Unknown'.
FEATURES              Location/Qualifiers
     source           1. .17
                      /organism="unidentified"
                      /mol_type="genomic DNA"
                      /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1288 CGCGTCGGGTACTTCCG 1304
              ||| ||| |||||||||
Db          1 CGCATCGTGTACTTCCG 17


RESULT 144
BD067486
LOCUS       BD067486                  17 bp    RNA     linear   PAT 27-AUG-2002
DEFINITION  Enzymatic nucleic acid treatment of diseases or conditions related
            to levels of epidermal growth factor receptors.
ACCESSION   BD067486
VERSION     BD067486.1  GI:22613089
KEYWORDS    JP 2001511003-A/326.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Akhtar,S., Fell,P. and Mcswiggen,J.A.
  TITLE     Enzymatic nucleic acid treatment of diseases or conditions related
            to levels of epidermal growth factor receptors
  JOURNAL   Patent: JP 2001511003-A 326 07-AUG-2001;
            RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT     OS   Unidentified
            PN   JP 2001511003-A/326
            PD   07-AUG-2001
            PF   14-JAN-1998 JP 1998532913
            PR   31-JAN-1997 US    60/036476,04-DEC-1997 US    08/985162 PI
            SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
            C12N9/00,C07K14/71
            CC   Strandedness: Single;
            CC   Topology: Linear;
            CC   Enzymatic nucleic acid treatment of diseases or conditions  CC
                  related to
            CC   levels of epidermal growth factor receptors
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Unidentified'.
FEATURES              Location/Qualifiers
     source           1. .17
                      /organism="unidentified"
                      /mol_type="genomic RNA"
                      /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2776 AGTGATGCCTGGAGTTA 2792
              ||||||| |||||| ||
Db          1 AGTGATGTCTGGAGCTA 17


RESULT 145
BD143633
LOCUS       BD143633                  17 bp    DNA     linear   PAT 17-JAN-2003
DEFINITION  Novel method of determining genotype.
ACCESSION   BD143633
VERSION     BD143633.1  GI:27849391
KEYWORDS    JP 2002101889-A/15.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Shimada,K., Osaka,T., Azuma,F. and Suzuki,C.
  TITLE     Novel method of determining genotype
  JOURNAL   Patent: JP 2002101889-A 15 09-APR-2002;
            GENOME SCIENCE LABORATORIES CO LTD
COMMENT     OS   Homo sapiens (human)
            PN   JP 2002101889-A/15
            PD   09-APR-2002
            PF   29-SEP-2000 JP 2000299498
            PI   KAZUNORI SHIMADA,TAKUYA OSAKA,FUMIHIRO AZUMA,CHIHO SUZUKI PC
            C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566, PC
            C12N15/00,
            PC   C12N15/00
            CC   Primer employing the naturally occurred sequence of Human  CC
                  leukocyte
            CC   antigen class II DRB1 Exon2.
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Homo sapiens (human)'.
FEATURES              Location/Qualifiers
     source           1. .17
                      /organism="Homo sapiens"
                      /mol_type="genomic DNA"
                      /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1817 GCGTGCGGTTCCTGAAG 1833
              | |||||||||||| ||
Db          1 GGGTGCGGTTCCTGGAG 17


RESULT 146
BD202798
LOCUS       BD202798                  17 bp    RNA     linear   PAT 17-JUL-2003
```

```
DEFINITION  Method and reagent for treating diseases or conditions concerning
            molecule participating in vasculogenic response.
ACCESSION   BD202798
VERSION     BD202798.1  GI:33012568
KEYWORDS    JP 2002509721-A/5824.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
  TITLE     Method and reagent for treating diseases or conditions concerning
            molecule participating in vasculogenic response
  JOURNAL   Patent: JP 2002509721-A 5824 02-APR-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Homo sapiens (human)
            PN   JP 2002509721-A/5824
            PD   02-APR-2002
            PF   24-MAR-1999 JP 2000541291
            PR   27-MAR-1998 US    60/079678
            PI   PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
            PI   JAMES A MCSWIGGEN
            PC
            C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
             A61P29/00,
            PC   A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
              C12N5/00
            CC   Method and reagent for treating diseases or conditions  CC
                   concerning molecule
            CC   participating in vasculogenic response
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Homo sapiens (human)'.
FEATURES                Location/Qualifiers
     source             1. .17
                        /organism="Homo sapiens"
                        /mol_type="genomic RNA"
                        /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3892 TTCCCTTTTTGTTTCTT 3908
              |||| ||||| ||||||
Db          1 TTCCTTTTTTCTTTCTT 17


RESULT 147
BD203007
LOCUS       BD203007                  17 bp    RNA     linear   PAT 17-JUL-2003
DEFINITION  Method and reagent for treating diseases or conditions concerning
            molecule participating in vasculogenic response.
ACCESSION   BD203007
VERSION     BD203007.1  GI:33012777
KEYWORDS    JP 2002509721-A/6033.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
  TITLE     Method and reagent for treating diseases or conditions concerning
            molecule participating in vasculogenic response
  JOURNAL   Patent: JP 2002509721-A 6033 02-APR-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Homo sapiens (human)
            PN   JP 2002509721-A/6033
            PD   02-APR-2002
            PF   24-MAR-1999 JP 2000541291
            PR   27-MAR-1998 US    60/079678
            PI   PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
            PI   JAMES A MCSWIGGEN
            PC
            C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
             A61P29/00,
            PC   A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
              C12N5/00
            CC   Method and reagent for treating diseases or conditions  CC
                   concerning molecule
            CC   participating in vasculogenic response
            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Homo sapiens (human)'.
FEATURES                Location/Qualifiers
     source             1. .17
                        /organism="Homo sapiens"
                        /mol_type="genomic RNA"
                        /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3897 TTTTTGTTTCTTCGTTT 3913
              ||||||||| || ||||
Db          1 TTTTTGTTTGTTTGTTT 17


RESULT 148
BD254145/c
LOCUS       BD254145                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD254145
VERSION     BD254145.1  GI:33063915
KEYWORDS    JP 2002541795-A/1938.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 1938 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/1938
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES                Location/Qualifiers
     source             1. .17
                        /organism="unidentified"
                        /mol_type="genomic DNA"
                        /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2771 CCGCCAGTGATGCCTGG 2787
              ||| |||||| ||||||
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```
Db         17 CCGTCAGTGACGCCTGG 1


RESULT 149
BD254672/c
LOCUS       BD254672                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD254672
VERSION     BD254672.1  GI:33064442
KEYWORDS    JP 2002541795-A/2465.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 2465 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/2465
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2082 GAGAGAAGCAGAATATT 2098
              ||||||||  | ||||||
Db         17 GAGAGAAGGAAAATATT 1


RESULT 150
BD256442
LOCUS       BD256442                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD256442
VERSION     BD256442.1  GI:33066212
KEYWORDS    JP 2002541795-A/4235.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 4235 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/4235
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3850 AAGGTTTTGAGTTTTG 3866
              ||||||||||  ||||
Db          1 AAGGTTTTGATCTTTG 17


RESULT 151
BD256890
LOCUS       BD256890                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD256890
VERSION     BD256890.1  GI:33066660
KEYWORDS    JP 2002541795-A/4683.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 4683 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/4683
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3850 AAGGTTTTGAGTTTTG 3866
              ||||||||||  ||||
Db          1 AAGGTTTTGATCTTTG 17
```

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RESULT 152
BD259433/c
LOCUS       BD259433                  17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Regulation of repressor genes using nucleic acid molecules.
ACCESSION   BD259433
VERSION     BD259433.1  GI:33069203
KEYWORDS    JP 2002541795-A/7226.
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
  TITLE     Regulation of repressor genes using nucleic acid molecules
  JOURNAL   Patent: JP 2002541795-A 7226 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
COMMENT     OS   Eukaryote
            PN   JP 2002541795-A/7226
            PD   10-DEC-2002
            PF   11-APR-2000 JP 2000611654
            PR   12-APR-1999 US    60/129390
            PI   LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC
            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
             C12R1:91),
            PC   (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
            PC   A61K37/02,
            PC   (C12N5/00,C12R1:91)
            CC   Regulation of repressor genes using nucleic acid molecules FH
             Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Eukaryote'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        570 TGCCCCGGGCCAGGCCC 586
              ||||| ||| |||||||
Db         17 TGCCCTGGGACAGGCCC 1


RESULT 153
CQ617576/c
LOCUS       CQ617576                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 2316 from Patent WO0192524.
ACCESSION   CQ617576
VERSION     CQ617576.1  GI:41667794
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 2316 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        374 CCATGGAGCTCCGGGTG 390
              ||||||||  |||||||
Db         17 CCATGGAGAACCGGGTG 1


RESULT 154
CQ617724
LOCUS       CQ617724                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 2464 from Patent WO0192524.
ACCESSION   CQ617724
VERSION     CQ617724.1  GI:41667942
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 2464 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3428 GCTGGATTGCACTTTGA 3444
              ||||||||| |||| ||
Db          1 GCTGGATTGGACTTGGA 17


RESULT 155
CQ618038
LOCUS       CQ618038                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 2778 from Patent WO0192524.
ACCESSION   CQ618038
VERSION     CQ618038.1  GI:41668256
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 2778 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1194 GGGCACCTTCAAGCCCC 1210
              || ||||||||||| ||
Db          1 GGCCACCTTCAAGCACC 17
```

```
RESULT 156
CQ621522/c
LOCUS       CQ621522                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 6262 from Patent WO0192524.
ACCESSION   CQ621522
VERSION     CQ621522.1  GI:41671740
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 6262 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        564 GCAGCGTGCCCCGGGCC 580
              ||||| || ||||||||
Db         17 GCAGCTTGGCCCGGGCC 1


RESULT 157
CQ624495/c
LOCUS       CQ624495                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 9235 from Patent WO0192524.
ACCESSION   CQ624495
VERSION     CQ624495.1  GI:41674713
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 9235 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2879 AGGACTACCGGCTGCCC 2895
              |||||| | ||||||||
Db         17 AGGACTGCAGGCTGCCC 1


RESULT 158
CQ624496/c
LOCUS       CQ624496                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 9236 from Patent WO0192524.
ACCESSION   CQ624496
VERSION     CQ624496.1  GI:41674714
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 9236 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2878 CAGGACTACCGGCTGCC 2894
              ||||||| | |||||||
Db         17 CAGGACTGCAGGCTGCC 1


RESULT 159
CQ625614/c
LOCUS       CQ625614                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 10354 from Patent WO0192524.
ACCESSION   CQ625614
VERSION     CQ625614.1  GI:41675832
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 10354 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1342 CCTCCTTCGGCTCCGCG 1358
              ||||||| ||||||| |
Db         17 CCTCCTTGGGCTCCGGG 1


RESULT 160
CQ625789/c
LOCUS       CQ625789                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 10529 from Patent WO0192524.
ACCESSION   CQ625789
VERSION     CQ625789.1  GI:41676007
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
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REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 10529 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2603 CTCGCAACATCCTAGTC 2619
              ||||||||||| | |||
Db         17 CTCGCAACATCGTCGTC 1


RESULT 161
CQ625790/c
LOCUS       CQ625790                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 10530 from Patent WO0192524.
ACCESSION   CQ625790
VERSION     CQ625790.1  GI:41676008
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 10530 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2602 GCTCGCAACATCCTAGT 2618
              ||||||||||| | ||
Db         17 GCTCGCAACATCGTCGT 1


RESULT 162
CQ625791/c
LOCUS       CQ625791                  17 bp    DNA     linear   PAT 02-FEB-2004
DEFINITION  Sequence 10531 from Patent WO0192524.
ACCESSION   CQ625791
VERSION     CQ625791.1  GI:41676009
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Myosin-like gene expressed in human heart and muscle
  JOURNAL   Patent: WO 0192524-A 10531 06-DEC-2001;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2601 TGCTCGCAACATCCTAG 2617
              ||||||||||||| | |
Db         17 TGCTCGCAACATCGTCG 1


RESULT 163
CQ931613/c
LOCUS       CQ931613                  17 bp    DNA     linear   PAT 23-NOV-2004
DEFINITION  Sequence 6646 from Patent WO2004083403.
ACCESSION   CQ931613
VERSION     CQ931613.1  GI:56221003
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Cargill,M., Begovich,A.B. and Alexander,H.C.
  TITLE     Genetic polymorphisms associated with rheumatoid arthritis, methods
            of detection and uses thereof
  JOURNAL   Patent: WO 2004083403-A 6646 30-SEP-2004;
            Applera Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3229 GTCACTCTGGCGGGACA 3245
              |||||||||  ||||||
Db         17 GTCACTCTGAGGGGACA 1


RESULT 164
I46503
LOCUS       I46503                    17 bp    DNA     linear   PAT 07-OCT-1997
DEFINITION  Sequence 482 from patent US 5639612.
ACCESSION   I46503
VERSION     I46503.1  GI:2470468
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Mitsuhashi,M. and Cooper,A.
  TITLE     Method for detecting polynucleotides with immobilized
            polynucleotide probes identified based on T.sub.m
  JOURNAL   Patent: US 5639612-A 482 17-JUN-1997;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        149 CCACTGCCAGCACGCTC 165
              ||||||||| || ||||
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Db          1 CCACTGCCAACATGCTC 17


RESULT 165
I57029/c
LOCUS       I57029                  17 bp    DNA     linear   PAT 07-OCT-1997
DEFINITION  Sequence 30 from patent US 5650553.
ACCESSION   I57029
VERSION     I57029.1  GI:2477442
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Ecker,J., Rothenberg,M., Lehman,A. and Roman,G.
  TITLE     Plant genes for sensitivity to ethylene and pathogens
  JOURNAL   Patent: US 5650553-A 30 22-JUL-1997;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2586 CCACCGAGACCTGGCTG 2602
              ||||| |||||||| ||
Db         17 CCACCAAGACCTGGGTG 1


RESULT 166
AR187306/c
LOCUS       AR187306                17 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 2794 from patent US 6346398.
ACCESSION   AR187306
VERSION     AR187306.1  GI:20233271
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6346398-A 2794 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3870 TTGGTCTTAATTTTTCT 3886
              ||  |||||||||||||
Db         17 TTTTTCTTAATTTTTCT 1


RESULT 167
AR187336
LOCUS       AR187336                17 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 2824 from patent US 6346398.
ACCESSION   AR187336
VERSION     AR187336.1  GI:20233301
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6346398-A 2824 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3892 TTCCCTTTTTGTTTCTT 3908
              ||| |||||||||| ||
Db          1 TTCACTTTTTGTTTGTT 17


RESULT 168
AR192331
LOCUS       AR192331                17 bp    DNA     linear   PAT 20-APR-2002
DEFINITION  Sequence 7819 from patent US 6346398.
ACCESSION   AR192331
VERSION     AR192331.1  GI:20238296
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6346398-A 7819 12-FEB-2002;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3854 TTTTTGAGTTTTGTTTT 3870
              ||||||  |||||||||
Db          1 TTTTTGTTTTTTGTTTT 17


RESULT 169
AR285019/c
LOCUS       AR285019                17 bp    DNA     linear   PAT 10-APR-2003
DEFINITION  Sequence 98 from patent US 6528261.
ACCESSION   AR285019
VERSION     AR285019.1  GI:29721925
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   De Canck,I., Mersch,G. and Rossau,R.
  TITLE     Method for typing of HLA alleles
  JOURNAL   Patent: US 6528261-A 98 04-MAR-2003;
            Innogenetics N.V.; Ghent;
            EPX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2628 CCTCGTCTGCAAAGTGT 2644
              | |||||||| ||||||
Db         17 CATCGTCTGCCAAGTGT 1
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RESULT 170
AR286163
LOCUS       AR286163                  17 bp    RNA     linear   PAT 10-APR-2003
DEFINITION  Sequence 535 from patent US 6528640.
ACCESSION   AR286163
VERSION     AR286163.1  GI:29723759
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
  TITLE     Synthetic ribonucleic acids with RNAse activity
  JOURNAL   Patent: US 6528640-A 535 04-MAR-2003;
            Ribozyme Pharmaceuticals, incorporated; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2776 AGTGATGCCTGGAGTTA 2792
              ||||||| ||||||||
Db          1 AGTGATGTGTGGAGTTA 17


RESULT 171
AR286187
LOCUS       AR286187                  17 bp    RNA     linear   PAT 10-APR-2003
DEFINITION  Sequence 559 from patent US 6528640.
ACCESSION   AR286187
VERSION     AR286187.1  GI:29723783
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
  TITLE     Synthetic ribonucleic acids with RNAse activity
  JOURNAL   Patent: US 6528640-A 559 04-MAR-2003;
            Ribozyme Pharmaceuticals, incorporated; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3907 TTCGTTTGTTTTTCTA 3923
              || |||||||||| ||
Db          1 TTTGTTTTGTTTTTTA 17


RESULT 172
AR323916/c
LOCUS       AR323916                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 1318 from patent US 6566127.
ACCESSION   AR323916
VERSION     AR323916.1  GI:33709724
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
.REFERENCE  1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 1318 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3870 TTGGTCTTAATTTTTCT 3886
              ||  |||||||||||||
Db         17 TTTTTCTTAATTTTTCT 1


RESULT 173
AR323946
LOCUS       AR323946                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 1348 from patent US 6566127.
ACCESSION   AR323946
VERSION     AR323946.1  GI:33709754
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 1348 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3892 TTCCCTTTTTGTTTCTT 3908
              ||| |||||||||| ||
Db          1 TTCACTTTTTGTTTGTT 17


RESULT 174
AR326201
LOCUS       AR326201                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 3603 from patent US 6566127.
ACCESSION   AR326201
VERSION     AR326201.1  GI:33712009
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 3603 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       3854 TTTTTGAGTTTTGTTTT 3870
              ||||||  |||||||||
Db          1 TTTTTGTTTTTTGTTTT 17


RESULT 175
AR327482
LOCUS       AR327482                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 4884 from patent US 6566127.
ACCESSION   AR327482
VERSION     AR327482.1  GI:33713290
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4884 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2924 ACCAGCTCATGCTGGAC 2940
              | ||| ||||||||||
Db          1 ATCAGATCATGCTGGAC 17


RESULT 176
AR327483
LOCUS       AR327483                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 4885 from patent US 6566127.
ACCESSION   AR327483
VERSION     AR327483.1  GI:33713291
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 4885 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2928 GCTCATGCTGGACTGTT 2944
              | ||||||||||||| |
Db          1 GATCATGCTGGACTGCT 17


RESULT 177
AR327690
LOCUS       AR327690                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5092 from patent US 6566127.
ACCESSION   AR327690
VERSION     AR327690.1  GI:33713498
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5092 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3521 CCCCAGCCACCTCGGGG 3537
              |||| |||||||| |||
Db          1 CCCCCGCCACCTCAGGG 17


RESULT 178
AR328143/c
LOCUS       AR328143                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5545 from patent US 6566127.
ACCESSION   AR328143
VERSION     AR328143.1  GI:33713951
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5545 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4175 TTTAAAAAAGTAACTTT 4191
              | || ||||||||||||
Db         17 TGTATAAAAGTAACTTT 1


RESULT 179
AR328197
LOCUS       AR328197                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 5599 from patent US 6566127.
ACCESSION   AR328197
VERSION     AR328197.1  GI:33714005
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 5599 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"
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  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3889 CCGTTCCCTTTTTGTTT 3905
              || ||| ||||||||||
Db          1 CCTTTCACTTTTTGTTT 17


RESULT 180
AR329383
LOCUS       AR329383                  17 bp    RNA     linear   PAT 17-AUG-2003
DEFINITION  Sequence 6785 from patent US 6566127.
ACCESSION   AR329383
VERSION     AR329383.1  GI:33715191
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6566127-A 6785 20-MAY-2003;
            Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2924 ACCAGCTCATGCTGGAC 2940
              |||||  ||||||||||
Db          1 ACCAGACCATGCTGGAC 17


RESULT 181
AR398153
LOCUS       AR398153                  17 bp    RNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 534 from patent US 6617438.
ACCESSION   AR398153
VERSION     AR398153.1  GI:40135734
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Beigelman,L., Burgin,A.B., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
  TITLE     Oligoribonucleotides with enzymatic activity
  JOURNAL   Patent: US 6617438-A 534 09-SEP-2003;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2776 AGTGATGCCTGGAGTTA 2792
              |||||||  ||||||||
Db          1 AGTGATGTGTGGAGTTA 17


RESULT 182
AR398177
LOCUS       AR398177                  17 bp    RNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 558 from patent US 6617438.
ACCESSION   AR398177
VERSION     AR398177.1  GI:40135776
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Beigelman,L., Burgin,A.B., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
  TITLE     Oligoribonucleotides with enzymatic activity
  JOURNAL   Patent: US 6617438-A 558 09-SEP-2003;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3907 TTCGTTTTGTTTTTCTA 3923
              || |||||||||| ||
Db          1 TTTGTTTTGTTTTTTTA 17


RESULT 183
AR401986
LOCUS       AR401986                  17 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 326 from patent US 6623962.
ACCESSION   AR401986
VERSION     AR401986.1  GI:40149436
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Akhtar,S., Fell,P. and McSwiggen,J.A.
  TITLE     Enzymatic nucleic acid treatment of diseases of conditions related
            to levels of epidermal growth factor receptors
  JOURNAL   Patent: US 6623962-A 326 23-SEP-2003;
            Sirna Therapeutics, Inc. and Aston University; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2776 AGTGATGCCTGGAGTTA 2792
              |||||||  |||||| ||
Db          1 AGTGATGTCTGGAGCTA 17


RESULT 184
AR434081
LOCUS       AR434081                  17 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 504 from patent US 6656700.
ACCESSION   AR434081
VERSION     AR434081.1  GI:40196924
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y. and Shannon,M.E.
  TITLE     Isoforms of human pregnancy-associated protein-E
  JOURNAL   Patent: US 6656700-A 504 02-DEC-2003;
            Amersham PLC; Buckinghamshire;
            GBX;
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FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2700 GAGCTCCCTGGGAGGAA 2716
              ||||| ||||||||||
Db          1 GAGCTTTCTGGGAGGAA 17


RESULT 185
AR434082
LOCUS       AR434082                  17 bp    DNA     linear   PAT 18-DEC-2003
DEFINITION  Sequence 505 from patent US 6656700.
ACCESSION   AR434082
VERSION     AR434082.1  GI:40196925
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y. and Shannon,M.E.
  TITLE     Isoforms of human pregnancy-associated protein-E
  JOURNAL   Patent: US 6656700-A 505 02-DEC-2003;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2701 AGCTCCCTGGGAGGAAA 2717
              ||||  ||||||||||||
Db          1 AGCTTTCTGGGAGGAAA 17


RESULT 186
AR442183/c
LOCUS       AR442183                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 84 from patent US 6670124.
ACCESSION   AR442183
VERSION     AR442183.1  GI:42669440
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Chow,R. and Tonai,R.
  TITLE     High throughput methods of HLA typing
  JOURNAL   Patent: US 6670124-A 84 30-DEC-2003;
            StemCyte, Inc.; Arcadia, CA
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        161 CGCTCCGGGCCCGCCGC 177
              |||||| || |||||||
Db         17 CGCTCCTGGACCGCCGC 1


RESULT 187
AR458639/c
LOCUS       AR458639                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 2316 from patent US 6686188.
ACCESSION   AR458639
VERSION     AR458639.1  GI:42693696
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 2316 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        374 CCATGGAGCTCCGGGTG 390
              |||||||| |||||||
Db         17 CCATGGAGAACCGGGTG 1


RESULT 188
AR458787
LOCUS       AR458787                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 2464 from patent US 6686188.
ACCESSION   AR458787
VERSION     AR458787.1  GI:42693844
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 2464 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3428 GCTGGATTGCACTTTGA 3444
              ||||||||| |||| ||
Db          1 GCTGGATTGGACTTGGA 17


RESULT 189
AR459101
LOCUS       AR459101                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 2778 from patent US 6686188.
ACCESSION   AR459101
VERSION     AR459101.1  GI:42694158
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
```

```
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 2778 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1194 GGGCACCTTCAAGCCCC 1210
              || |||||||||| ||
Db          1 GGCCACCTTCAAGCACC 17


RESULT 190
AR462585/c
LOCUS       AR462585                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 6262 from patent US 6686188.
ACCESSION   AR462585
VERSION     AR462585.1  GI:42697642
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 6262 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        564 GCAGCGTGCCCCGGGCC 580
              ||||| || ||||||||
Db         17 GCAGCTTGGCCCGGGCC 1


RESULT 191
AR465558/c
LOCUS       AR465558                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 9235 from patent US 6686188.
ACCESSION   AR465558
VERSION     AR465558.1  GI:42700615
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 9235 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2879 AGGACTACCGGCTGCCC 2895
              |||||| | ||||||||
Db         17 AGGACTGCAGGCTGCCC 1


RESULT 192
AR465559/c
LOCUS       AR465559                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 9236 from patent US 6686188.
ACCESSION   AR465559
VERSION     AR465559.1  GI:42700616
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 9236 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2878 CAGGACTACCGGCTGCC 2894
              ||||||| | |||||||
Db         17 CAGGACTGCAGGCTGCC 1


RESULT 193
AR466677/c
LOCUS       AR466677                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 10354 from patent US 6686188.
ACCESSION   AR466677
VERSION     AR466677.1  GI:42701734
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 10354 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       1342 CCTCCTTCGGCTCCGCG 1358
              ||||||| ||||||| |
Db         17 CCTCCTTGGGCTCCGGG 1


RESULT 194
AR466852/c
LOCUS       AR466852                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 10529 from patent US 6686188.
ACCESSION   AR466852
VERSION     AR466852.1  GI:42701909
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 10529 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2603 CTCGCAACATCCTAGTC 2619
              |||||||||||| | |||
Db         17 CTCGCAACATCGTCGTC 1


RESULT 195
AR466853/c
LOCUS       AR466853                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 10530 from patent US 6686188.
ACCESSION   AR466853
VERSION     AR466853.1  GI:42701910
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 10530 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2602 GCTCGCAACATCCTAGT 2618
              |||||||||||| | ||
Db         17 GCTCGCAACATCGTCGT 1


RESULT 196
AR466854/c
LOCUS       AR466854                  17 bp    DNA     linear   PAT 20-FEB-2004
DEFINITION  Sequence 10531 from patent US 6686188.
ACCESSION   AR466854
VERSION     AR466854.1  GI:42701911
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
            Shannon,M.E.
  TITLE     Polynucleotide encoding a human myosin-like polypeptide expressed
            predominantly in heart and muscle
  JOURNAL   Patent: US 6686188-A 10531 03-FEB-2004;
            Amersham PLC; Buckinghamshire;
            GBX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2601 TGCTCGCAACATCCTAG 2617
              |||||||||||||| | |
Db         17 TGCTCGCAACATCGTCG 1


RESULT 197
AR597376/c
LOCUS       AR597376                  17 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 1318 from patent US 6818447.
ACCESSION   AR597376
VERSION     AR597376.1  GI:56648390
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 1318 16-NOV-2004;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3870 TTGGTCTTAATTTTTCT 3886
              ||  |||||||||||||
Db         17 TTTTTCTTAATTTTTCT 1


RESULT 198
AR597406
LOCUS       AR597406                  17 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 1348 from patent US 6818447.
ACCESSION   AR597406
VERSION     AR597406.1  GI:56648420
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 1348 16-NOV-2004;
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            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3892 TTCCCTTTTTGTTTCTT 3908
              ||| |||||||||| ||
Db          1 TTCACTTTTTGTTTGTT 17


RESULT 199
AR599661
LOCUS       AR599661                  17 bp    RNA     linear   PAT 15-DEC-2004
DEFINITION  Sequence 3603 from patent US 6818447.
ACCESSION   AR599661
VERSION     AR599661.1  GI:56650675
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
  JOURNAL   Patent: US 6818447-A 3603 16-NOV-2004;
            Sirna Therapeutics, Inc.; Boulder, CO
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="unassigned RNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3854 TTTTTGAGTTTTGTTTT 3870
              ||||||  |||||||||
Db          1 TTTTTGTTTTTTGTTTT 17


RESULT 200
AR650079
LOCUS       AR650079                  17 bp    DNA     linear   PAT 20-APR-2005
DEFINITION  Sequence 2 from patent US 6878547.
ACCESSION   AR650079
VERSION     AR650079.1  GI:62793623
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Peyman,A., Uhlmann,E. and Weiser,C.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: US 6878547-A 2 12-APR-2005;
            Aventis Pharma Deutschland GmbH; Frankfurt am Main;
            DEX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 201
AR650098
LOCUS       AR650098                  17 bp    DNA     linear   PAT 20-APR-2005
DEFINITION  Sequence 21 from patent US 6878547.
ACCESSION   AR650098
VERSION     AR650098.1  GI:62793642
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Peyman,A., Uhlmann,E. and Weiser,C.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: US 6878547-A 21 12-APR-2005;
            Aventis Pharma Deutschland GmbH; Frankfurt am Main;
            DEX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 202
AR650117
LOCUS       AR650117                  17 bp    DNA     linear   PAT 20-APR-2005
DEFINITION  Sequence 40 from patent US 6878547.
ACCESSION   AR650117
VERSION     AR650117.1  GI:62793661
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Peyman,A., Uhlmann,E. and Weiser,C.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: US 6878547-A 40 12-APR-2005;
            Aventis Pharma Deutschland GmbH; Frankfurt am Main;
            DEX;
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unknown"
                     /mol_type="genomic DNA"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 203
AX012596/c
LOCUS       AX012596                  17 bp    DNA     linear   PAT 06-SEP-2000
DEFINITION  Sequence 98 from Patent WO9954496.
ACCESSION   AX012596
VERSION     AX012596.1  GI:9998590
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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            Hominidae; Homo.
REFERENCE   1
  AUTHORS   De Cancke,I., Rossau,R. and Mersch,G.
  TITLE     Method for typing of hla alleles
  JOURNAL   Patent: WO 9954496-A 98 28-OCT-1999;
            CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS NV (BE); MERSCH
            GUY (BE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2628 CCTCGTCTGCAAAGTGT 2644
              | ||||||| ||||||
Db         17 CATCGTCTGCCAAGTGT 1


RESULT 204
AX022894
LOCUS       AX022894                 17 bp    DNA     linear   PAT 07-SEP-2000
DEFINITION  Sequence 2 from Patent WO9925819.
ACCESSION   AX022894
VERSION     AX022894.1  GI:10046385
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Uhlmann,E., Weiser,C. and Peyman,A.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: WO 9925819-A 2 27-MAY-1999;
            UHLMANN EUGEN (DE); WEISER CAROLINE (DE); HOECHST MARION ROUSSEL DE
            GMBH (DE); PEYMAN ANUSCHIRWAN (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"
     exon            1. .17

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 205
AX022913
LOCUS       AX022913                 17 bp    DNA     linear   PAT 07-SEP-2000
DEFINITION  Sequence 21 from Patent WO9925819.
ACCESSION   AX022913
VERSION     AX022913.1  GI:10046405
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Uhlmann,E., Weiser,C. and Peyman,A.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: WO 9925819-A 21 27-MAY-1999;
            UHLMANN EUGEN (DE); WEISER CAROLINE (DE); HOECHST MARION ROUSSEL DE
            GMBH (DE); PEYMAN ANUSCHIRWAN (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 206
AX022932
LOCUS       AX022932                 17 bp    DNA     linear   PAT 07-SEP-2000
DEFINITION  Sequence 40 from Patent WO9925819.
ACCESSION   AX022932
VERSION     AX022932.1  GI:10046425
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Uhlmann,E., Weiser,C. and Peyman,A.
  TITLE     Antisense oligonucleotides against tenascin for treating vitiligo
  JOURNAL   Patent: WO 9925819-A 40 27-MAY-1999;
            UHLMANN EUGEN (DE); WEISER CAROLINE (DE); HOECHST MARION ROUSSEL DE
            GMBH (DE); PEYMAN ANUSCHIRWAN (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 207
AX030482
LOCUS       AX030482                 17 bp    DNA     linear   PAT 20-SEP-2000
DEFINITION  Sequence 2 from Patent DE19750702.
ACCESSION   AX030482
VERSION     AX030482.1  GI:10278039
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Peyman,A.D., Uhlmann,E.D. and Weiser,C.D.
  TITLE     Antisense oligonucleotides that bind to sequences encoding human
            tenascin for treating depigmentation, cancer, inflammation and
            cardiovascular disease
  JOURNAL   Patent: DE 19750702-A 2 27-MAY-1999;
            HOECHST MARION ROUSSEL DE GMBH (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"
     exon            1. .17

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
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Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 208
AX030501
LOCUS       AX030501                 17 bp    DNA     linear   PAT 20-SEP-2000
DEFINITION  Sequence 21 from Patent DE19750702.
ACCESSION   AX030501
VERSION     AX030501.1  GI:10278058
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Peyman,A.D., Uhlmann,E.D. and Weiser,C.D.
  TITLE     Antisense oligonucleotides that bind to sequences encoding human
            tenascin for treating depigmentation, cancer, inflammation and
            cardiovascular disease
  JOURNAL   Patent: DE 19750702-A 21 27-MAY-1999;
            HOECHST MARION ROUSSEL DE GMBH (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 209
AX030520
LOCUS       AX030520                 17 bp    DNA     linear   PAT 20-SEP-2000
DEFINITION  Sequence 40 from Patent DE19750702.
ACCESSION   AX030520
VERSION     AX030520.1  GI:10278077
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified sequences.
REFERENCE   1
  AUTHORS   Peyman,A.D., Uhlmann,E.D. and Weiser,C.D.
  TITLE     Antisense oligonucleotides that bind to sequences encoding human
            tenascin for treating depigmentation, cancer, inflammation and
            cardiovascular disease
  JOURNAL   Patent: DE 19750702-A 40 27-MAY-1999;
            HOECHST MARION ROUSSEL DE GMBH (DE)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="unidentified"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32644"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 GGTGCAGGTGAGTTTGG 2255
              |||| ||||| ||||||
Db          1 GGTGGAGGTGGGTTTGG 17


RESULT 210
AX149100/c
LOCUS       AX149100                 17 bp    DNA     linear   PAT 08-JUN-2001
DEFINITION  Sequence 302 from Patent WO0136625.
ACCESSION   AX149100
VERSION     AX149100.1  GI:14347624
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Wright,J.A., Young,A.H. and Dugourd,D.
  TITLE     Antisense oligonucleotide sequences derived from groel and groes as
            inhibitors of microorganisms
  JOURNAL   Patent: WO 0136625-A 302 25-MAY-2001;
            GeneSense Technologies Inc. (CA)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Antisense oligonucleotide"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4116 GTAGTTGGTGGTGGAAC 4132
              || | ||||||||||||
Db         17 GTTGCTGGTGGTGGAAC 1


RESULT 211
AX215350/c
LOCUS       AX215350                 17 bp    RNA     linear   PAT 07-SEP-2001
DEFINITION  Sequence 792 from Patent WO0159103.
ACCESSION   AX215350
VERSION     AX215350.1  GI:15525393
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Blatt,L., Mcswiggen,J. and Chowrira,B.M.
  TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
  JOURNAL   Patent: WO 0159103-A 792 16-AUG-2001;
            RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"
                     /note="Nucleic Acid"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3700 GGGGGGGCTGTCCCAGG 3716
              ||| ||||||||| |||
Db         17 GGGTGGGCTGTCCGAGG 1


RESULT 212
AX216390
LOCUS       AX216390                 17 bp    RNA     linear   PAT 07-SEP-2001
DEFINITION  Sequence 1832 from Patent WO0159103.
ACCESSION   AX216390
VERSION     AX216390.1  GI:15526451
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Blatt,L., Mcswiggen,J. and Chowrira,B.M.
  TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
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  JOURNAL   Patent: WO 0159103-A 1832 16-AUG-2001;
            RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"
                     /note="Nucleic Acid"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2964 CCGGCCCCGCTTCCCCC 2980
              ||||||| || ||||||
Db          1 CCGGCCCGGCCTCCCCC 17


RESULT 213
AX227394/c
LOCUS       AX227394                  17 bp    RNA     linear   PAT 10-SEP-2001
DEFINITION  Sequence 766 from Patent WO0157206.
ACCESSION   AX227394
VERSION     AX227394.1  GI:15556535
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Fattaey,A.R., Jarvis,T., Mcswiggen,J., Booher,R.N. and Holman,P.S.
  TITLE     Method and reagent for the inhibition of checkpoint kinase-1 (chk
            1) enzyme
  JOURNAL   Patent: WO 0157206-A 766 09-AUG-2001;
            RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2597 TGGCTGCTCGCAACATC 2613
              ||||||||| ||| |||
Db         17 TGGCTGCTCACAATATC 1


RESULT 214
AX272798
LOCUS       AX272798                  17 bp    RNA     linear   PAT 29-OCT-2001
DEFINITION  Sequence 367 from Patent WO0162911.
ACCESSION   AX272798
VERSION     AX272798.1  GI:16545535
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Hamblin,P.A. and
            Ellis,J.H.
  TITLE     Method and reagent for the inhibition of grid
  JOURNAL   Patent: WO 0162911-A 367 30-AUG-2001;
            RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1070 GCCCCAGCCCCAGCCTC 1086
              || |||||| |||||||
Db          1 GCACCAGCCACAGCCTC 17


RESULT 215
AX423572
LOCUS       AX423572                  17 bp    RNA     linear   PAT 18-JUN-2002
DEFINITION  Sequence 1908 from Patent WO0188124.
ACCESSION   AX423572
VERSION     AX423572.1  GI:21526954
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Mclaughlin,F.G. and
            Randi,A.M.
  TITLE     Method and reagent for the inhibition of erg
  JOURNAL   Patent: WO 0188124-A 1908 22-NOV-2001;
            RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        261 CCCGACGAGGAGTCCCG 277
              |||||||||| | ||||
Db          1 CCCGACGAGGTGGCCCG 17


RESULT 216
AX475253/c
LOCUS       AX475253                  17 bp    DNA     linear   PAT 12-AUG-2002
DEFINITION  Sequence 474 from Patent WO0224750.
ACCESSION   AX475253
VERSION     AX475253.1  GI:22214538
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhang,J.
  TITLE     Human kidney tumor overexpressed membrane protein 1
  JOURNAL   Patent: WO 0224750-A 474 28-MAR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1157 CAGCTGAGGGGAACACC 1173
              |||  ||||||||||||
Db         17 CAGTGGAGGGGAACACC 1
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RESULT 217
AX498979/c
LOCUS       AX498979                 17 bp    DNA     linear   PAT 27-SEP-2002
DEFINITION  Sequence 286 from Patent EP1229046.
ACCESSION   AX498979
VERSION     AX498979.1  GI:23381272
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhan,J.
  TITLE     Human testis expressed patched like protein
  JOURNAL   Patent: EP 1229046-A 286 07-AUG-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1322 GGGGTGCACCCTGCACC 1338
              ||||||||  |||||  ||
Db         17 GGGGTGCATCCTGCTCC 1


RESULT 218
AX499699/c
LOCUS       AX499699                 17 bp    DNA     linear   PAT 27-SEP-2002
DEFINITION  Sequence 1006 from Patent EP1229046.
ACCESSION   AX499699
VERSION     AX499699.1  GI:23381992
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhan,J.
  TITLE     Human testis expressed patched like protein
  JOURNAL   Patent: EP 1229046-A 1006 07-AUG-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4064 CCCCCAAGCTGTGTCCT 4080
              ||||||||  |||  ||||
Db         17 CCCCCAAGATGTATCCT 1


RESULT 219
AX500654/c
LOCUS       AX500654                 17 bp    DNA     linear   PAT 27-SEP-2002
DEFINITION  Sequence 1961 from Patent EP1229046.
ACCESSION   AX500654
VERSION     AX500654.1  GI:23382947
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Zhan,J.
  TITLE     Human testis expressed patched like protein
  JOURNAL   Patent: EP 1229046-A 1961 07-AUG-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1385 CCTCCCTGCACCTGGAA 1401
              |||  |||||||  |||||
Db         17 CCTTCCTGCACATGGAA 1


RESULT 220
AX527186/c
LOCUS       AX527186                 17 bp    DNA     linear   PAT 21-NOV-2002
DEFINITION  Sequence 216 from Patent WO0226818.
ACCESSION   AX527186
VERSION     AX527186.1  GI:25171801
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y. and Corrigan,A.
  TITLE     Human nedd-1
  JOURNAL   Patent: WO 0226818-A 216 04-APR-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4162 TTCTTAAATTATATTTA 4178
              |||||||||  |||||  |
Db         17 TTCTTAAATCATATTGA 1


RESULT 221
AX530600/c
LOCUS       AX530600                 17 bp    DNA     linear   PAT 22-NOV-2002
DEFINITION  Sequence 109 from Patent EP1239051.
ACCESSION   AX530600
VERSION     AX530600.1  GI:25253007
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M.
  TITLE     Human posh-like protein 1
  JOURNAL   Patent: EP 1239051-A 109 11-SEP-2002;
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           Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         60 GCTCAGCCCCCGCCACC 76
              ||||||||||| || ||
Db         17 GCTCAGCCCCCTCCTCC 1


RESULT 222
AX530983
LOCUS       AX530983                17 bp    DNA     linear   PAT 22-NOV-2002
DEFINITION  Sequence 492 from Patent EP1239051.
ACCESSION   AX530983
VERSION     AX530983.1  GI:25253753
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M.
  TITLE     Human posh-like protein 1
  JOURNAL   Patent: EP 1239051-A 492 11-SEP-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1845 CCGGGCAGAGCTGCGGG 1861
              | ||||||||||| ||||
Db          1 CAGGGCAGAGCTCCGGG 17


RESULT 223
AX530985
LOCUS       AX530985                17 bp    DNA     linear   PAT 22-NOV-2002
DEFINITION  Sequence 494 from Patent EP1239051.
ACCESSION   AX530985
VERSION     AX530985.1  GI:25253757
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M.
  TITLE     Human posh-like protein 1
  JOURNAL   Patent: EP 1239051-A 494 11-SEP-2002;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1847 GGGCAGAGCTGCGGGGG 1863
              |||||||||| |||| |
Db          1 GGGCAGAGCTCCGGGAG 17


RESULT 224
AX648910/c
LOCUS       AX648910                17 bp    DNA     linear   PAT 22-MAR-2003
DEFINITION  Sequence 750 from Patent EP1273660.
ACCESSION   AX648910
VERSION     AX648910.1  GI:29151728
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Gu,Y.
  TITLE     Human sodium-hydrogen exchanger like protein 1
  JOURNAL   Patent: EP 1273660-A 750 08-JAN-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2456 AGTTCATGGAGAACGGC 2472
              ||||||||| || |||
Db         17 AGTTCATGGAAAATGGC 1


RESULT 225
AX672569/c
LOCUS       AX672569                17 bp    DNA     linear   PAT 27-MAR-2003
DEFINITION  Sequence 1014 from Patent WO03004526.
ACCESSION   AX672569
VERSION     AX672569.1  GI:29330917
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
  JOURNAL   Patent: WO 03004526-A 1014 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1255 TCTAACACCATTGGATC 1271
              | ||| ||||||||||
Db         17 TATAAAACCATTGGATC 1
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RESULT 226
AX687647
LOCUS       AX687647                  17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 379 from Patent EP1281758.
ACCESSION   AX687647
VERSION     AX687647.1  GI:29410343
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 379 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        377 TGGAGCTCCGGGTGCTG 393
              ||||||| | |||||||
Db          1 TGGAGCTGCTGGTGCTG 17


RESULT 227
AX687861/c
LOCUS       AX687861                  17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 593 from Patent EP1281758.
ACCESSION   AX687861
VERSION     AX687861.1  GI:29410559
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 593 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1061 CCGCCCCTGGCCCCAGC 1077
              || || ||||||||||
Db         17 CCTCCACTGGCCCCAGC 1


RESULT 228
AX687957/c
LOCUS       AX687957                  17 bp    DNA     linear   PAT 01-APR-2003
DEFINITION  Sequence 689 from Patent EP1281758.
ACCESSION   AX687957
VERSION     AX687957.1  GI:29410655
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 689 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4217 GTGTCCCAGCTCCAGGG 4233
              ||||| || ||||||||
Db         17 GTGTCTCATCTCCAGGG 1


RESULT 229
AX687958/c
LOCUS       AX687958                  17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 690 from Patent EP1281758.
ACCESSION   AX687958
VERSION     AX687958.1  GI:29410656
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 690 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4216 CGTGTCCCAGCTCCAGG 4232
              |||||| || |||||||
Db         17 CGTGTCTCATCTCCAGG 1


RESULT 230
AX687973
LOCUS       AX687973                  17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 705 from Patent EP1281758.
ACCESSION   AX687973
VERSION     AX687973.1  GI:29410671
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
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  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 705 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        901 CTGGCCTTCCAGGACCA 917
              | ||||||||||||| ||
Db          1 CGGGCCTTCCAGGAGCA 17


RESULT 231
AX687975
LOCUS       AX687975                 17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 707 from Patent EP1281758.
ACCESSION   AX687975
VERSION     AX687975.1  GI:29410673
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 707 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        903 GGCCTTCCAGGACCAGG 919
              |||||||||||| || |
Db          1 GGCCTTCCAGGAGCAAG 17


RESULT 232
AX688665/c
LOCUS       AX688665                 17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 1397 from Patent EP1281758.
ACCESSION   AX688665
VERSION     AX688665.1  GI:29411367
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 1397 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1755 CAGTGGGGCTGTGCTGG 1771
              ||||| ||||| |||||
Db         17 CAGTGTGGCTGCGCTGG 1


RESULT 233
AX688666/c
LOCUS       AX688666                 17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 1398 from Patent EP1281758.
ACCESSION   AX688666
VERSION     AX688666.1  GI:29411368
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 1398 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1754 CCAGTGGGGCTGTGCTG 1770
              |||||| ||||| ||||
Db         17 CCAGTGTGGCTGCGCTG 1


RESULT 234
AX688667/c
LOCUS       AX688667                 17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 1399 from Patent EP1281758.
ACCESSION   AX688667
VERSION     AX688667.1  GI:29411369
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 1399 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

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Qy       1753 CCCAGTGGGGCTGTGCT 1769
              ||||||| ||||| |||
Db         17 CCCAGTGTGGCTGCGCT 1


RESULT 235
AX692024/c
LOCUS       AX692024                  17 bp    DNA     linear   PAT 31-MAR-2003
DEFINITION  Sequence 4756 from Patent EP1281758.
ACCESSION   AX692024
VERSION     AX692024.1  GI:29414968
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Shannon,M., Gu,Y. and Nguyen,C.T.
  TITLE     Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
  JOURNAL   Patent: EP 1281758-A 4756 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2289 GAAGAAGGAGAGCTGTG 2305
              |||||||||  ||||||
Db         17 GAAGAAGGAAGGCTGTG 1


RESULT 236
AX722776/c
LOCUS       AX722776                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 463 from Patent WO03025176.
ACCESSION   AX722776
VERSION     AX722776.1  GI:30423277
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
  JOURNAL   Patent: WO 03025176-A 463 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Mus musculus"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:10090"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2189 AATTTGCAAAAGAGATC 2205
              ||||| |||| ||||||
Db         17 AATTTCCAAATGAGATC 1


RESULT 237
```

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AX735152
LOCUS       AX735152                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 742 from Patent WO03025177.
ACCESSION   AX735152
VERSION     AX735152.1  GI:30514429
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
  JOURNAL   Patent: WO 03025177-A 742 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2686 GATCCCACCTACACGAG 2702
              ||||||| ||||||| |
Db          1 GATCCCAGCTACACGGG 17


RESULT 238
AX737396
LOCUS       AX737396                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 2986 from Patent WO03025177.
ACCESSION   AX737396
VERSION     AX737396.1  GI:30516684
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
  JOURNAL   Patent: WO 03025177-A 2986 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        913 GACCAGGGTGCCTGCAT 929
              || |||||||| ||||
Db          1 GATCAGGGTGCCGGCAT 17


RESULT 239
AX739251
LOCUS       AX739251                  17 bp    DNA     linear   PAT 08-MAY-2003
DEFINITION  Sequence 4841 from Patent WO03025177.
ACCESSION   AX739251
VERSION     AX739251.1  GI:30518548
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KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
  JOURNAL   Patent: WO 03025177-A 4841 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2862 GATCAATGCCATTGAAC 2878
              ||||||||||| ||| |
Db          1 GATCAATGCCACTGACC 17


RESULT 240
AX760530/c
LOCUS       AX760530                 17 bp    DNA     linear   PAT 25-JUN-2003
DEFINITION  Sequence 3851 from Patent WO03040369.
ACCESSION   AX760530
VERSION     AX760530.1  GI:32255146
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
  TITLE     Sequences involved in tumoral suppression, tumoral reversion,
            apoptosis and/or viral resistance phenomena and their use as
            medicines
  JOURNAL   Patent: WO 03040369-A 3851 15-MAY-2003;
            Molecular Engines Laboratories (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        439 AACACAAAATTGGAAAC 455
              ||||||||||||| | |
Db         17 AACACAAAATTGGGATC 1


RESULT 241
AX781842
LOCUS       AX781842                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 173 from Patent WO03050284.
ACCESSION   AX781842
VERSION     AX781842.1  GI:32949676
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guo,J.
  TITLE     Human prostate cancer candidate protein 1
  JOURNAL   Patent: WO 03050284-A 173 19-JUN-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4199 AATAAAAGAAAATGGGA 4215
              || ||| ||||||||||
Db          1 AAGAAAGGAAAATGGGA 17


RESULT 242
AX782255/c
LOCUS       AX782255                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 586 from Patent WO03050284.
ACCESSION   AX782255
VERSION     AX782255.1  GI:32950104
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guo,J.
  TITLE     Human prostate cancer candidate protein 1
  JOURNAL   Patent: WO 03050284-A 586 19-JUN-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3368 CCGCCTCCCCATTTTCC 3384
              | || ||||||||||||
Db         17 CGGCGTCCCCATTTTCC 1


RESULT 243
AX783675
LOCUS       AX783675                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 2006 from Patent WO03050284.
ACCESSION   AX783675
VERSION     AX783675.1  GI:32951524
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guo,J.
  TITLE     Human prostate cancer candidate protein 1
  JOURNAL   Patent: WO 03050284-A 2006 19-JUN-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
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                /mol_type="unassigned DNA"
                /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2529 GGGCATGCTGCGGGGCA 2545
              || |||||||||| ||
Db          1 GGTCATGCTGCGGGTCA 17


RESULT 244
AX783831
LOCUS       AX783831                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 2162 from Patent WO03050284.
ACCESSION   AX783831
VERSION     AX783831.1  GI:32951680
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guo,J.
  TITLE     Human prostate cancer candidate protein 1
  JOURNAL   Patent: WO 03050284-A 2162 19-JUN-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3676 TGACTCCCTTGCCAGCT 3692
              |||||||||| |||||
Db          1 TGACTCCCTTTTCAGCT 17


RESULT 245
AX783906/c
LOCUS       AX783906                 17 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 2237 from Patent WO03050284.
ACCESSION   AX783906
VERSION     AX783906.1  GI:32951755
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guo,J.
  TITLE     Human prostate cancer candidate protein 1
  JOURNAL   Patent: WO 03050284-A 2237 19-JUN-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1841 AAAACCGGGCAGAGCTG 1857
              || || ||||||||||

Db          17 AACACAGGGCAGAGCTG 1


RESULT 246
AX801932/c
LOCUS       AX801932                 17 bp    DNA     linear   PAT 24-NOV-2003
DEFINITION  Sequence 71 from Patent WO03057913.
ACCESSION   AX801932
VERSION     AX801932.1  GI:38500856
KEYWORDS    .
SOURCE      Scomber scombrus (Atlantic mackerel)
  ORGANISM  Scomber scombrus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
            Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes;
            Scombroidei; Scombridae; Scomber.
REFERENCE   1
  AUTHORS   Mabilat,C., Desvarenne,S., Babola,O., Lacroix,B. and bello Pigem,N.
  TITLE     Method for the detection and/or identification of the original
            animal species in animal matter contained in a sample
  JOURNAL   Patent: WO 03057913-A 71 17-JUL-2003;
            BIO MERIEUX (FR)
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Scomber scombrus"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:13677"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.1e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       3287 AGGCCAAGCCGGGAACC 3303
              || |||||| |||||||
Db         17 AGACCAAGCAGGGAACC 1


RESULT 247
BD002054
LOCUS       BD002054                 17 bp    DNA     linear   PAT 31-JAN-2002
DEFINITION  Agent for retarding the conversion of hormone-dependent cancer into
            hormone-independent cancer.
ACCESSION   BD002054
VERSION     BD002054.1  GI:18628794
KEYWORDS    JP 2000178202-A/5.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Matsutani,T. and Naito,K.
  TITLE     Agent for retarding the conversion of hormone-dependent cancer into
            hormone-independent cancer
  JOURNAL   Patent: JP 2000178202-A 5 27-JUN-2000;
            TAKEDA CHEMICAL INDUSTRIES LTD
COMMENT     OS   Artificial Sequence
            PN   JP 2000178202-A/5
            PD   27-JUN-2000
            PF   07-OCT-1999 JP 1999286856
            PR
            PI   TOSHIYA MATSUTANI,KENICHIRO NAITO
            PC   A61K38/04,A61K38/22,A61K45/00,A61P13/08,A61P35/00//C07K7/23 CC

            FH   Key             Location/Qualifiers
            FT   source          1. .17
            FT                   /organism='Artificial Sequence'.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="synthetic construct"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:32630"

  Query Match             0.3%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 1.1e+02;
```

Matches 12; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2587 CACCGAGACCTGGCTGC 2603
              ||::|:|||:|||| ||
Db          1 CAYMGRGACYTGGCRGC 17
```

Search completed: March 23, 2006, 11:07:04
Job time : 12 secs